

Curriculum Vitae

INFORMAZIONI PERSONALI

Nome GIUSEPPE
Cognome RASO
Recapiti Dipartimento di Fisica e Chimica, Ed.18
Telefono 091-23899061
E-mail giuseppe.raso@unipa.it

FORMAZIONE TITOLI

- Professore Ordinario SSD FIS/07 dal 1-1-2005
- Professore Associato dal 26-10-1999 al 31-12-2004
- Ricercatore presso la sezione I.N.F.N. di Bari dal 22-1-1987 al 25-10 1999
- Assegnista presso I.N2.P3. e C.N.R.S. , Parigi, Francia dal 1-9-1984 al 30-11-1986
- Laurea in Fisica nel 1981 presso l'Università di Catania
- Maturità Classica nel 1975 presso Liceo Classico T. Fazello di Sciacca

ATTIVITA' DIDATTICA

- Titolare della cattedra di Fisica Generale I presso il CCS di Ingegneria Gestionale
- Titolare del corso di Scienze Fisiche e delle Radiazioni presso il CL di Tecniche della Prevenzione nell'Ambiente e nei Luoghi di Lavoro
- Docente del Dottorato di Fisica Applicata
- Docente della Scuola di Specializzazione in Fisica Sanitaria

RICERCHE FINANZIATE

- 2018-2021 P.I. del Progetto **I.T.A.M.A.** finanziato su fondi europei INTERREG V-A Italia-Malta
- 2012-2015 P.I. del Progetto **A.I.D.A.** finanziato su fondi europei ENPI cooperazione Italia-Tunisia
- 2006 Progetto **BCNanoLab**- Regione Sicilia
- 2006 Progetto **UnNetLab** misura 3.15 POR Sicilia
- 2006 Progetto **TRIGRID** PON Sicilia
- 2006 Progetto PRIN
- 2005 Esperimento nazionale **XPRESS**, finanziato dall'INFN.
- 2004- 2006 Esperimento nazionale **MAGIC-5**, finanziato dall'INFN.
- 2002-2003 Esperimento nazionale **FLUXEN** finanziato dall'INFN.
- 2002-2003 Esperimento nazionale **GPCALMA**, finanziato dall'INFN.
- 2001-2002 Esperimento nazionale **CALMA** finanziato dall'INFN.

INCARICHI / CONSULENZE

- Coordinatore del progetto internazionale I.T.A.M.A. (INTERREG V-A Italia-Malta)
- Coordinatore del progetto internazionale A.I.D.A. (Cooperazione transfrontaliera IT-TU)
- Direttore Scientifico dello Spin-off Accademico CyclopusCAD srl
- Delegato della Facoltà di Ingegneria per i rapporti con le aziende e il territorio
- Responsabile del plesso ED. 18 del Dipartimento di Fisica e Chimica
- Membro di Giunta del Dipartimento di Fisica e Chimica
- Delegato del Dipartimento di Fisica e Chimica per i rapporti con la Facoltà di Ingegneria
- Responsabile del Laboratorio di Analisi di immagini biomedicali

PUBBLICAZIONE

h-index: 60

Documents by author 365

Total citations 14902 by 9260 documents

Automated approach for indirect immunofluorescence images classification based on unsupervised clustering method (2018) *IET Computer Vision*, 12 (7), pp. 989-995.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053442583&doi=10.1049%2fiet-cvi.2018.5271&partnerID=40&md5=344ed390f1655bcc31d177e24d33444b>

High bias voltage CZT detectors for high-flux measurements

(2017) 2016 IEEE Nuclear Science Symposium, Medical Imaging Conference and Room-Temperature Semiconductor Detector Workshop, NSS/MIC/RTSD 2016, 2017-January, art. no. 8069962, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041737946&doi=10.1109%2fNSSMIC.2016.8069962&partnerID=40&md5=46ca9eae05194930b72e346f362f98ab>

Unsupervised clustering method for pattern recognition in IIF images

(2017) IPAS 2016 - 2nd International Image Processing, Applications and Systems Conference, art. no. 7880124, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85018587863&doi=10.1109%2fIPAS.2016.7880124&partnerID=40&md5=39111a535536de41f1f557cd113a1799>

Development of new CdZnTe detectors for room-temperature high-flux radiation measurements

(2017) *Journal of Synchrotron Radiation*, 24 (2), pp. 429-438.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85014121556&doi=10.1107%2fS1600577517000194&partnerID=40&md5=903636ed95c6f383526b745de0f59dda>

X-ray response of CdZnTe detectors grown by the vertical Bridgman technique: Energy, temperature and high flux effects (2016) *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 835, pp. 1-12.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84982105681&doi=10.1016%2fj.nima.2016.08.029&partnerID=40&md5=68c33575a7707efbb0ee483b16815376>

A multi-process system for HEp-2 cells classification based on SVM

(2016) *Pattern Recognition Letters*, 82, pp. 56-63.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84995631857&doi=10.1016%2fj.patrec.2016.03.024&partnerID=40&md5=3addcc4f4210cb69b3ad7aebad52360>

Charge carrier transport mechanisms in CdZnTe detectors grown by the vertical Bridgman technique

(2016) 2015 IEEE Nuclear Science Symposium and Medical Imaging Conference, NSS/MIC 2015, art. no. 7582267, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84994079375&doi=10.1109%2fNSSMIC.2015.7582267&partnerID=40&md5=52d29731dfb49391d1103cf54a870ab6>

Spectroscopic response and charge transport properties of CdZnTe detectors grown by the vertical Bridgman technique

(2016) 2015 IEEE Nuclear Science Symposium and Medical Imaging Conference, NSS/MIC 2015, art. no. 7582269, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84994137647&doi=10.1109%2fNSSMIC.2015.7582269&partnerID=40&md5=3a09b6baacd8321b9494e2a3e5ad2a8a>

Electrical properties of Au/CdZnTe/Au detectors grown by the boron oxide encapsulated Vertical Bridgman technique

(2016) *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 830, pp. 243-250.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84974574787&doi=10.1016%2fj.nima.2016.05.124&partnerID=40&md5=8c8327858d1d2bbe8ed8ef282ed261f1>

Computer-assisted classification patterns in autoimmune diagnostics: The AIDA project

(2016) *BioMed Research International*, 2016, art. no. 2073076, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84961872426&doi=10.1155%2f2016%2f2073076&partnerID=40&md5=d90a080a8ca388d3e45f0fcc8dfa5aef>

The "livio scarsi" x-ray facility at university of palermo for device testing

(2015) *Proceedings of the European Conference on Radiation and its Effects on Components and Systems, RADECS, 2015-December*, art. no. 7365672, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84973338589&doi=10.1109%2fRADECS.2015.7365672&partnerID=40&md5=f1cc303a8225d63e64acf1e6d0a24786>

Fuzzy technique for microcalcifications clustering in digital mammograms

(2014) *BMC Medical Imaging*, 14 (1), art. no. 23, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84904621468&doi=10.1186%2f1471-2342-14-23&partnerID=40&md5=9113e3b5d59147683b11f01abb10491a>

Mammographic images segmentation based on chaotic map clustering algorithm

(2014) *BMC Medical Imaging*, 14 (1), art. no. 12, .

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84899079898&doi=10.1186%2f1471-2342-14-12&partnerID=40&md5=34f08a934782bcbbba7be612306a82f04)

[s2.0-84899079898&doi=10.1186%2f1471-2342-14-12&partnerID=40&md5=34f08a934782bcbbba7be612306a82f04](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84899079898&doi=10.1186%2f1471-2342-14-12&partnerID=40&md5=34f08a934782bcbbba7be612306a82f04)

Computer-aided diagnosis in digital mammography: Comparison of two commercial systems

(2014) *Imaging in Medicine*, 6 (1), pp. 13-20.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-84896742505&doi=10.2217%2fiim.](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84896742505&doi=10.2217%2fiim.13.68&partnerID=40&md5=7e6463f6b8b1477e07ad51bfb10d631f)

[13.68&partnerID=40&md5=7e6463f6b8b1477e07ad51bfb10d631f](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84896742505&doi=10.2217%2fiim.13.68&partnerID=40&md5=7e6463f6b8b1477e07ad51bfb10d631f)

HEp-2 cell classification with heterogeneous classes-processes based on k-nearest neighbours

(2014) *Proceedings - 2014 1st Workshop on Pattern Recognition Techniques for Indirect Immunofluorescence Images, I3A Workshop 2014*, art. no. 6973539, pp. 10-15.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-84924509229&doi=10.1109%2f13A.](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84924509229&doi=10.1109%2f13A.2014.17&partnerID=40&md5=0308b425eceb536f895b5a17b3db8d6a)

[2014.17&partnerID=40&md5=0308b425eceb536f895b5a17b3db8d6a](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84924509229&doi=10.1109%2f13A.2014.17&partnerID=40&md5=0308b425eceb536f895b5a17b3db8d6a)

Electroweak measurements in electron-positron collisions at W-boson-pair energies at LEP

(2013) *Physics Reports*, 532 (4), pp. 119-244.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-84887615079&doi=10.1016%2fj.physrep.](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84887615079&doi=10.1016%2fj.physrep.2013.07.004&partnerID=40&md5=b65e2baf4a95aa5620f4083880f1f98a)

[2013.07.004&partnerID=40&md5=b65e2baf4a95aa5620f4083880f1f98a](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84887615079&doi=10.1016%2fj.physrep.2013.07.004&partnerID=40&md5=b65e2baf4a95aa5620f4083880f1f98a)

Energy resolution and throughput of a new real time digital pulse processing system for x-ray and gamma ray semiconductor detectors

(2013) *Journal of Instrumentation*, 8 (7), art. no. P07019, .

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84881183490&doi=10.1088%2f1748-0221%2f8%2f07%2fP07019&partnerID=40&md5=28665fbee175eea276bda4aaed0e)

[s2.0-84881183490&doi=10.1088%2f1748-0221%2f8%2f07%2fP07019&partnerID=40&md5=28665fbee175eea276bda4aaed0e](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84881183490&doi=10.1088%2f1748-0221%2f8%2f07%2fP07019&partnerID=40&md5=28665fbee175eea276bda4aaed0e)

Automatic detection of lung nodules in CT datasets based on stable 3D mass-spring models

(2012) *Computers in Biology and Medicine*, 42 (11), pp. 1098-1109.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-84867731465&doi=10.1016%2fj.compbimed.](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84867731465&doi=10.1016%2fj.compbimed.2012.09.002&partnerID=40&md5=e5d5ad0d3048e658a841a24ee195d93a)

[2012.09.002&partnerID=40&md5=e5d5ad0d3048e658a841a24ee195d93a](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84867731465&doi=10.1016%2fj.compbimed.2012.09.002&partnerID=40&md5=e5d5ad0d3048e658a841a24ee195d93a)

Direct measurement of mammographic X-Ray spectra with a digital CdTe detection system

(2012) *Sensors (Switzerland)*, 12 (6), pp. 8390-8404.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84863224981&doi=10.3390%2fs120608390&partnerID=40&md5=f37d92d7314e86082e2cdc374b7b8521)

[s2.0-84863224981&doi=10.3390%2fs120608390&partnerID=40&md5=f37d92d7314e86082e2cdc374b7b8521](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84863224981&doi=10.3390%2fs120608390&partnerID=40&md5=f37d92d7314e86082e2cdc374b7b8521)

A fuzzy logic C-means clustering algorithm to enhance microcalcifications clusters in digital mammograms

(2012) *IEEE Nuclear Science Symposium Conference Record*, art. no. 6152551, pp. 3048-3050.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-84858634426&doi=10.1109%2fNSSMIC.](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84858634426&doi=10.1109%2fNSSMIC.2011.6152551&partnerID=40&md5=a5629f6905d6105566e9952bbfbd00f2)

[2011.6152551&partnerID=40&md5=a5629f6905d6105566e9952bbfbd00f2](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84858634426&doi=10.1109%2fNSSMIC.2011.6152551&partnerID=40&md5=a5629f6905d6105566e9952bbfbd00f2)

Characterization of Al-Schottky CdTe detectors

(2012) *IEEE Nuclear Science Symposium Conference Record*, art. no. 6154749, pp. 4636-4641.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-84858696248&doi=10.1109%2fNSSMIC.](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84858696248&doi=10.1109%2fNSSMIC.2011.6154749&partnerID=40&md5=ab80d65875c16e5d3af3c3caed1c680d)

[2011.6154749&partnerID=40&md5=ab80d65875c16e5d3af3c3caed1c680d](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84858696248&doi=10.1109%2fNSSMIC.2011.6154749&partnerID=40&md5=ab80d65875c16e5d3af3c3caed1c680d)

Determination of $\sin^2 \theta_{ffw}$ using jet charge measurements in hadronic Z decays

(2011) *European Physical Journal C*, 71 (1), pp. 357-378.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84875904307&partnerID=40&md5=72391c6b0f19d772bdb774ca76513732)

[s2.0-84875904307&partnerID=40&md5=72391c6b0f19d772bdb774ca76513732](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84875904307&partnerID=40&md5=72391c6b0f19d772bdb774ca76513732)

Four-jet final state production in e+e- collisions at centre-of-mass energies of 130 and 136 GeV

(2011) *European Physical Journal C*, 71 (1), pp. 179-197.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84875907558&partnerID=40&md5=2ef82f936c9c735d4e562b9e17775cfe)

[s2.0-84875907558&partnerID=40&md5=2ef82f936c9c735d4e562b9e17775cfe](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84875907558&partnerID=40&md5=2ef82f936c9c735d4e562b9e17775cfe)

Search for neutral Higgs bosons decaying into four taus at lep2

(2010) *Journal of High Energy Physics*, 2010 (5), art. no. 049, .

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-77954967668&doi=10.1007%2fJHEP05%282010%29049&partnerID=40&md5=7ff014bf63013ea3a225b41c15b06133)

[s2.0-77954967668&doi=10.1007%2fJHEP05%282010%29049&partnerID=40&md5=7ff014bf63013ea3a225b41c15b06133](https://www.scopus.com/inward/record.uri?eid=2-s2.0-77954967668&doi=10.1007%2fJHEP05%282010%29049&partnerID=40&md5=7ff014bf63013ea3a225b41c15b06133)

Performance of a digital CdTe X-ray spectrometer in low and high counting rate environment

(2010) *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 621 (1-3), pp. 447-452.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-77957895627&doi=10.1016%2fj.nima.](https://www.scopus.com/inward/record.uri?eid=2-s2.0-77957895627&doi=10.1016%2fj.nima.2010.06.002&partnerID=40&md5=3d72c8ab9e52b7482b33e6103e8c07d4)

[2010.06.002&partnerID=40&md5=3d72c8ab9e52b7482b33e6103e8c07d4](https://www.scopus.com/inward/record.uri?eid=2-s2.0-77957895627&doi=10.1016%2fj.nima.2010.06.002&partnerID=40&md5=3d72c8ab9e52b7482b33e6103e8c07d4)

High-rate x-ray spectroscopy in mammography with a CdTe detector: A digital pulse processing approach

(2010) *Medical Physics*, 37 (12), pp. 6147-6156.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-78650106604&doi=10.1118%2f1.3512804&partnerID=40&md5=df6a4f73ea1a99d2478beca99bb36e16)

[s2.0-78650106604&doi=10.1118%2f1.3512804&partnerID=40&md5=df6a4f73ea1a99d2478beca99bb36e16](https://www.scopus.com/inward/record.uri?eid=2-s2.0-78650106604&doi=10.1118%2f1.3512804&partnerID=40&md5=df6a4f73ea1a99d2478beca99bb36e16)

Hard x-ray response of pixellated CdZnTe detectors

(2009) *Journal of Applied Physics*, 105 (12), art. no. 124508, .

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-67650248885&doi=10.1063%2f1.3153161&partnerID=40&md5=44d41aefbf01cc9074231190d194e394)

[s2.0-67650248885&doi=10.1063%2f1.3153161&partnerID=40&md5=44d41aefbf01cc9074231190d194e394](https://www.scopus.com/inward/record.uri?eid=2-s2.0-67650248885&doi=10.1063%2f1.3153161&partnerID=40&md5=44d41aefbf01cc9074231190d194e394)

Computer-assisted diagnosis (CAD) in mammography: Comparison of diagnostic accuracy of a new algorithm (Cyclopus®, Mediacad) with two commercial systems [Diagnosi assistita da computer (CAD) in mammografia. Confronto di accuratezza diagnostica di un nuovo algoritmo (Cyclopus®, Medical) con due sistemi commerciali]

(2009) *Radiologia Medica*, 114 (4), pp. 626-635.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-67650744843&doi=10.1007%2fs11547-009-0396-4&partnerID=40&md5=39e1039835e8862f691ace917030301d)

[s2.0-67650744843&doi=10.1007%2fs11547-009-0396-4&partnerID=40&md5=39e1039835e8862f691ace917030301d](https://www.scopus.com/inward/record.uri?eid=2-s2.0-67650744843&doi=10.1007%2fs11547-009-0396-4&partnerID=40&md5=39e1039835e8862f691ace917030301d)

A fourier-based algorithm for micro-calcification enhancement in mammographic images

(2008) *IEEE Nuclear Science Symposium Conference Record*, art. no. 4774254, pp. 4388-4391.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-67649216071&doi=10.1109%2fNSSMIC.](https://www.scopus.com/inward/record.uri?eid=2-s2.0-67649216071&doi=10.1109%2fNSSMIC.2008.4774254&partnerID=40&md5=8668b78d710c422c8284f0de7ea3a46c)

[2008.4774254&partnerID=40&md5=8668b78d710c422c8284f0de7ea3a46c](https://www.scopus.com/inward/record.uri?eid=2-s2.0-67649216071&doi=10.1109%2fNSSMIC.2008.4774254&partnerID=40&md5=8668b78d710c422c8284f0de7ea3a46c)

A method to reduce the FP/imm number tThrough CC and MLO views comparison in mammographic images

(2008) *IEEE Nuclear Science Symposium Conference Record*, art. no. 4774249, pp. 4364-4367.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-67649207208&doi=10.1109%2fNSSMIC.](https://www.scopus.com/inward/record.uri?eid=2-s2.0-67649207208&doi=10.1109%2fNSSMIC.2008.4774249&partnerID=40&md5=02d8915d6c3b09a8eaac6bcbfb293267)

[2008.4774249&partnerID=40&md5=02d8915d6c3b09a8eaac6bcbfb293267](https://www.scopus.com/inward/record.uri?eid=2-s2.0-67649207208&doi=10.1109%2fNSSMIC.2008.4774249&partnerID=40&md5=02d8915d6c3b09a8eaac6bcbfb293267)

MAGIC-5: An Italian mammographic database of digitised images for research [MAGIC-5: Un database mammografico italiano di immagini digitalizzate per scopi di ricerca]

(2008) *Radiologia Medica*, 113 (4), pp. 477-485.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-48349104009&doi=10.1007%2fs11547-008-0282-5&partnerID=40&md5=8e30150b4dd7e69064a72a21d0dbd80c)

[s2.0-48349104009&doi=10.1007%2fs11547-008-0282-5&partnerID=40&md5=8e30150b4dd7e69064a72a21d0dbd80c](https://www.scopus.com/inward/record.uri?eid=2-s2.0-48349104009&doi=10.1007%2fs11547-008-0282-5&partnerID=40&md5=8e30150b4dd7e69064a72a21d0dbd80c)

Spectroscopic response of a CdZnTe multiple electrode detector

(2007) *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 583 (2-3), pp. 324-331.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-36248978186&doi=10.1016%2fj.nima.](https://www.scopus.com/inward/record.uri?eid=2-s2.0-36248978186&doi=10.1016%2fj.nima.2007.09.015&partnerID=40&md5=e385cf88b65d2bc51dfa2989823863c8)

[2007.09.015&partnerID=40&md5=e385cf88b65d2bc51dfa2989823863c8](https://www.scopus.com/inward/record.uri?eid=2-s2.0-36248978186&doi=10.1016%2fj.nima.2007.09.015&partnerID=40&md5=e385cf88b65d2bc51dfa2989823863c8)

Study of the spectral response of CZT multiple-electrode detectors

(2007) *IEEE Nuclear Science Symposium Conference Record*, 2, art. no. 4437289, pp. 1525-1530.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-48349128823&doi=10.1109%2fNSSMIC.](https://www.scopus.com/inward/record.uri?eid=2-s2.0-48349128823&doi=10.1109%2fNSSMIC.2007.4437289&partnerID=40&md5=efb036cf0a8e58bbc329533c06693203)

[2007.4437289&partnerID=40&md5=efb036cf0a8e58bbc329533c06693203](https://www.scopus.com/inward/record.uri?eid=2-s2.0-48349128823&doi=10.1109%2fNSSMIC.2007.4437289&partnerID=40&md5=efb036cf0a8e58bbc329533c06693203)

Measurement of the cross section for open b-quark production in two-photon interactions at LEP

(2007) *Journal of High Energy Physics*, 2007 (9), art. no. 102, .

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-34948839836&doi=10.1088%2f1126-6708%2f2007%2f09%2f102&partnerID=40&md5=b83840fb79fddb1d5bff22575c814e)

[s2.0-34948839836&doi=10.1088%2f1126-6708%2f2007%2f09%2f102&partnerID=40&md5=b83840fb79fddb1d5bff22575c814e](https://www.scopus.com/inward/record.uri?eid=2-s2.0-34948839836&doi=10.1088%2f1126-6708%2f2007%2f09%2f102&partnerID=40&md5=b83840fb79fddb1d5bff22575c814e)

Distributed medical images analysis on a Grid infrastructure

(2007) *Future Generation Computer Systems*, 23 (3), pp. 475-484.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-33750824578&doi=10.1016%2fj.future.](https://www.scopus.com/inward/record.uri?eid=2-s2.0-33750824578&doi=10.1016%2fj.future.2006.07.006&partnerID=40&md5=ba3a9288a4fef88803b660f6ecf72bfc)

[2006.07.006&partnerID=40&md5=ba3a9288a4fef88803b660f6ecf72bfc](https://www.scopus.com/inward/record.uri?eid=2-s2.0-33750824578&doi=10.1016%2fj.future.2006.07.006&partnerID=40&md5=ba3a9288a4fef88803b660f6ecf72bfc)

Digital filtering and analysis for a semiconductor X-ray detector data acquisition

(2007) *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 571 (1-2 SPEC. ISS.), pp. 378-380.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-33846358854&doi=10.1016%2fj.nima.](https://www.scopus.com/inward/record.uri?eid=2-s2.0-33846358854&doi=10.1016%2fj.nima.2006.10.113&partnerID=40&md5=8d13812ad696be257c9258ccf9a53464)

[2006.10.113&partnerID=40&md5=8d13812ad696be257c9258ccf9a53464](https://www.scopus.com/inward/record.uri?eid=2-s2.0-33846358854&doi=10.1016%2fj.nima.2006.10.113&partnerID=40&md5=8d13812ad696be257c9258ccf9a53464)

X-ray spectroscopy and dosimetry with a portable CdTe device

(2007) *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 571 (1-2 SPEC. ISS.), pp. 373-377.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-33846347873&doi=10.1016%2fj.nima.](https://www.scopus.com/inward/record.uri?eid=2-s2.0-33846347873&doi=10.1016%2fj.nima.2006.10.112&partnerID=40&md5=87be52e2052d876928d23f705d5ad616)

[2006.10.112&partnerID=40&md5=87be52e2052d876928d23f705d5ad616](https://www.scopus.com/inward/record.uri?eid=2-s2.0-33846347873&doi=10.1016%2fj.nima.2006.10.112&partnerID=40&md5=87be52e2052d876928d23f705d5ad616)

Comparative study of feature classification methods for mass lesion recognition in digitized mammograms

(2007) *Nuovo Cimento della Societa Italiana di Fisica C*, 30 (3), pp. 305-316.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-38949097080&doi=10.1393%2fncc%2fi2007-10241-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-38949097080&doi=10.1393%2fncc%2fi2007-10241-y&partnerID=40&md5=8bf0097c2b7b8fa92a1c9d490800b597)

[y&partnerID=40&md5=8bf0097c2b7b8fa92a1c9d490800b597](https://www.scopus.com/inward/record.uri?eid=2-s2.0-38949097080&doi=10.1393%2fncc%2fi2007-10241-y&partnerID=40&md5=8bf0097c2b7b8fa92a1c9d490800b597)

Fermion pair production in e+e- collisions at 189-209 GeV and constraints on physics beyond the standard model

(2007) *European Physical Journal C*, 49 (2), pp. 411-437.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-33846811399&doi=10.1140%2fepjc](https://www.scopus.com/inward/record.uri?eid=2-s2.0-33846811399&doi=10.1140%2fepjc%2fs10052-006-0156-8&partnerID=40&md5=c7b96822e19d43368a44a09078b3dfff)

[%2fs10052-006-0156-8&partnerID=40&md5=c7b96822e19d43368a44a09078b3dfff](https://www.scopus.com/inward/record.uri?eid=2-s2.0-33846811399&doi=10.1140%2fepjc%2fs10052-006-0156-8&partnerID=40&md5=c7b96822e19d43368a44a09078b3dfff)

Search for Higgs bosons decaying to WW in e^+e^- collisions at LEP

(2007) *European Physical Journal C*, 49 (2), pp. 439-455.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-33846847770&doi=10.1140%2fepjc%2fs10052-006-0158-6&partnerID=40&md5=dbcf7dd960855c9abafd514b7a966012>

Mammogram segmentation by contour searching and mass lesions classification with neural network

(2006) *IEEE Transactions on Nuclear Science*, 53 (5), art. no. 1710274, pp. 2827-2833.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-33750420263&doi=10.1109%2fTNS.2006.878003&partnerID=40&md5=a3dc3eccfa8aae601dac017a74c08583>

Deuteron and anti-deuteron production in e^+e^- collisions at the Z resonance

(2006) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 639 (3-4), pp. 192-201.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-33746260313&doi=10.1016%2fj.physletb.2006.06.043&partnerID=40&md5=90420b8d3114bee951116a6b1db619d5>

Portable CdTe detection system for mammographic X-ray spectroscopy

(2006) *Nuovo Cimento della Societa Italiana di Fisica C*, 29 (3), pp. 361-367.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-33747091337&partnerID=40&md5=b5045bc0c8d9135f7fb7bf5952aa6b5c>

Comparison of two portable solid state detectors with an improved collimation and alignment device for mammographic x-ray spectroscopy

(2006) *Medical Physics*, 33 (9), pp. 3469-3477.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-33748287011&doi=10.1118%2f1.2229431&partnerID=40&md5=02b5a9a3b463cd494230695f1876d9a3>

A completely automated CAD system for mass detection in a large mammographic database

(2006) *Medical Physics*, 33 (8), pp. 3066-3075.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-33746659809&doi=10.1118%2f1.2214177&partnerID=40&md5=0d8119f7a294d4c8403d5bc8975bb6ed>

Measurement of the W boson mass and width in e^+e^- collisions at LEP

(2006) *European Physical Journal C*, 47 (2), pp. 309-335.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-33746884343&doi=10.1140%2fepjc%2fs2006-02576-8&partnerID=40&md5=b4339658e55df34fb8b5419100b46038>

Test of colour reconnection models using three-jet events in hadronic Z decays

(2006) *European Physical Journal C*, 48 (3), pp. 685-698.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-33845328826&doi=10.1140%2fepjc%2fs10052-006-0017-5&partnerID=40&md5=6a1323a18494d23956313ac341c3fdb0>

Search for neutral MSSM Higgs bosons at LEP

(2006) *European Physical Journal C*, 47 (3), pp. 547-587.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-33748295641&doi=10.1140%2fepjc%2fs2006-02569-7&partnerID=40&md5=8d363535fdf6591dc4e42464b28ff310>

Precision electroweak measurements on the Z resonance

(2006) *Physics Reports*, 427 (5-6), pp. 257-454.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-33645546123&doi=10.1016%2fj.physrep.2005.12.006&partnerID=40&md5=ac387dfc21b712ecd846eafd763e8fdd>

Dissimilarity application for medical imaging classification

(2005) *WMSCI 2005 - The 9th World Multi-Conference on Systemics, Cybernetics and Informatics, Proceedings*, 3, pp. 258-262.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84867339363&partnerID=40&md5=7dd2f0347f05cdf02205f6513f5837af>

GPCALMA: A Grid-based tool for mammographic screening

(2005) *Methods of Information in Medicine*, 44 (2), pp. 244-248.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-20344389548&partnerID=40&md5=c060cfb2e458933cd99fdce3f844e432>

Improved measurement of the triple gauge-boson couplings WW and ZWW in e^+e^- collisions

(2005) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 614 (1-2), pp. 7-26.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-20944441613&doi=10.1016%2fj.physletb.2005.03.058&partnerID=40&md5=1a498812839b94cdb34f50e5fc5b8488>

Preprocessing methods for nodule detection in lung CT

(2005) *International Congress Series*, 1281, pp. 1099-1103.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-33646462059&doi=10.1016%2fj.ics.2005.03.183&partnerID=40&md5=64945b10093ab1ea726052fc44ab0d38>

Two-particle correlations in pp , $p\bar{p}$ and KS^0 KS^0 pairs from hadronic Z decays

(2005) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 611 (1-2), pp. 66-80.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-20144363586&doi=10.1016%2fj.physletb.2004.11.048&partnerID=40&md5=e0cdfbcb5d05e977677d69cb80ab2b1f>

Bose-Einstein correlations in W -pair decays with an event-mixing technique
(2005) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 606 (3-4), pp. 265-275.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-19944430592&doi=10.1016%2fj.physletb.2004.12.018&partnerID=40&md5=a078e5ff0f50b792db3b97e2236f2160>

Single vector boson production in e^+e^- collisions at centre-of-mass energies from 183 to 209 GeV
(2005) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 605 (1-2), pp. 49-62.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-19944411140&doi=10.1016%2fj.physletb.2004.10.057&partnerID=40&md5=fe52a478a0919a1c42830b61c0b9f1e7>

A massive lesion detection algorithm in mammography
(2005) *Physica Medica*, 21 (1), pp. 23-30.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-20344396360&doi=10.1016%2fS1120-1797%2805%2980016-X&partnerID=40&md5=0bde73c7f5a47189fa295e1406196ae7>

Branching ratios and spectral functions of τ decays: Final ALEPH measurements and physics implications
(2005) *Physics Reports*, 421 (5-6), pp. 191-284.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-27644491294&doi=10.1016%2fj.physrep.2005.06.007&partnerID=40&md5=d95f8b96bb068b2da4bcc40846e1c353>

Detection and classification of microcalcifications clusters in digitized mammograms
(2004) *IEEE Nuclear Science Symposium Conference Record*, 7, pp. 4136-4140.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-23844536756&partnerID=40&md5=1742e14e241fe2515e569b6fc33adb71>

Mammogram segmentation by contour searching and massive lesion classification with neural network
(2004) *IEEE Nuclear Science Symposium Conference Record*, 5, pp. 2695-2699.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-23844502771&partnerID=40&md5=a6b9804ec2920ecbfdb393229d6d7e36>

Spectroscopic performances and electrons transport properties in a 16×16 pixel CZT imaging hard X-ray detector
(2004) *Proceedings of SPIE - The International Society for Optical Engineering*, 5501, art. no. 33, pp. 261-268.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-19944378078&doi=10.1117%2f12.550033&partnerID=40&md5=7e477452e9504c3a689a00d9da232b99>

The MAGIC-5 project: Medical applications on a grid infrastructure connection
(2004) *IEEE Nuclear Science Symposium Conference Record*, 3, pp. 1902-1906.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-23844524466&partnerID=40&md5=c6a493e86327e1dae0f626b058007ca0>

Studies of QCD at e^+e^- centre-of-mass energies between 91 and 209 GeV
(2004) *European Physical Journal C*, 35 (4), pp. 457-486.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-4644337307&doi=10.1140%2fepjc%2fs2004-01891-4&partnerID=40&md5=ba1fd0540c061c674d931913ad78e629>

Measurement of W -pair production in e^+e^- collisions at centre-of-mass energies from 183 to 209 GeV
(2004) *European Physical Journal C*, 38 (2), pp. 147-160.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-11944265318&doi=10.1140%2fepjc%2fs2004-02048-3&partnerID=40&md5=bc9d3c4d1b65965aba42e3c94ac3fcd8>

Constraints on anomalous QGCs in e^+e^- interactions from 183 to 209 GeV
(2004) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 602 (1-2), pp. 31-40.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-6944227972&doi=10.1016%2fj.physletb.2004.09.041&partnerID=40&md5=82c3368423a0ab9f9f279c71c09acd86>

Search for pentaquark states in Z decays
(2004) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 599 (1-2), pp. 1-16.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-4444349842&doi=10.1016%2fj.physletb.2004.08.021&partnerID=40&md5=71a1b2673bb04a4c9e0865fa160b30c3>

Measurements of spectral and position resolution on a 16×16 pixel CZT imaging hard X-ray detector
(2004) *Proceedings of SPIE - The International Society for Optical Engineering*, 5165, pp. 63-72.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-11144355289&doi=10.1117%2f12.508283&partnerID=40&md5=b5fa879583dce4b4e7a78960c8d341ec>

Absolute mass lower limit for the lightest neutralino of the MSSM from e^+e^- data at \sqrt{s} up to 209 GeV
(2004) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 583 (3-4), pp. 247-263.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-10744229596&doi=10.1016%2fj.physletb.2004.08.021&partnerID=40&md5=71a1b2673bb04a4c9e0865fa160b30c3>

2003.12.066&partnerID=40&md5=8b42b14d55744dfb7dcfd87605caad92

Spectroscopic performances of 16 x 16 pixel CZT imaging hard-X-ray detectors
(2004) *Nuovo Cimento della Societa Italiana di Fisica B*, 119 (3), pp. 257-270.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-6344286060&doi=10.1393%2fncb%2fi2004-10075-0&partnerID=40&md5=b376bcc87e8d5c7f6ae70db304bb6952>

FLUXEN portable equipment for direct X-ray spectra measurements
(2004) *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 518 (1-2), pp. 389-390.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0942277295&doi=10.1016%2fj.nima.2003.11.030&partnerID=40&md5=381155027c590b3dae8f2f27c2e8116a>

The CALMA system: An artificial neural network method for detecting masses and microcalcifications in digitized mammograms
(2004) *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 518 (1-2), pp. 391-393.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0942299033&doi=10.1016%2fj.nima.2003.11.031&partnerID=40&md5=86b5209c9710dbaa2d3aaf70ccccbe28>

Two-dimensional analysis of Bose-Einstein correlations in hadronic Z decays at LEP
(2004) *European Physical Journal C*, 36 (2), pp. 147-159.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-12344323229&doi=10.1140%2fepjc%2fs2004-01884-3&partnerID=40&md5=8c1025a3eacd66ad7dd7300abd231fdc>

Diagnostic performance of radiologists with and without different CAD systems for mammography
(2003) *Proceedings of SPIE - The International Society for Optical Engineering*, 5034, pp. 51-56.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0042861268&doi=10.1117%2f12.480079&partnerID=40&md5=abb06261cb2db047865f4c1ec31910b8>

Exclusive production of pion and kaon meson pairs in two photon collisions at LEP
(2003) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 569 (3-4), pp. 140-150.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0042194615&doi=10.1016%2fj.physletb.2003.07.031&partnerID=40&md5=d4856d80e4e614f515970eab62ad7fb4>

Search for the standard model higgs boson at LEP
(2003) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 565 (1-4), pp. 61-75.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84988405317&doi=10.1016%2fS0370-2693%2803%2900614-2&partnerID=40&md5=ba76cd34b388efe8f7d941beb1a44d>

GPCALMA, a mammographic CAD in a GRID connection
(2003) *International Congress Series*, 1256 (C), pp. 944-949.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84889995609&doi=10.1016%2fS0531-5131%2803%2900466-7&partnerID=40&md5=de0a46c649ab1ba5622e6a14317b6>

Measurement of the inclusive D^\pm production in e^+e^- collisions at LEP*
(2003) *European Physical Journal C*, 28 (4), pp. 437-449.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0037634350&doi=10.1140%2fepjc%2fs2003-01201-x&partnerID=40&md5=e3235f14c599c5e35055e45fe915267b>

A measurement of the gluon splitting rate into $c\bar{c}$ pairs in hadronic Z decays
(2003) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 561 (3-4), pp. 213-224.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0038287589&doi=10.1016%2fS0370-2693%2803%2900495-7&partnerID=40&md5=9c4bf6dca03b1ed055af93eb5d5286c>

Search for anomalous weak dipole moments of the τ lepton
(2003) *European Physical Journal C*, 30 (3), pp. 291-304.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-2442488875&doi=10.1140%2fepjc%2fs2003-01286-1&partnerID=40&md5=1d6e48de8a641512d6ce791e0f106ef1>

Improved search for B_0 - \bar{B}_0 oscillations: The ALEPH Collaboration
(2003) *European Physical Journal C*, 29 (2), pp. 143-170.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0041912818&partnerID=40&md5=7d8cd1d34b253b14104bcb72f7724a9c>

Search for stable hadronizing squarks and gluinos in e^+e^- collisions up to $\sqrt{s} = 209$ GeV
(2003) *European Physical Journal C*, 31 (3), pp. 327-342.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-1942431782&doi=10.1140%2fepjc%2fs2003-01376-0&partnerID=40&md5=cbb169312032d4798a0a6261f1042ce1>

Measurement of the hadronic photon structure function $F_2(x, Q^2)$ in two-photon collisions at LEP
(2003) *European Physical Journal C*, 30 (2), pp. 145-158.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-1242291686&doi=10.1140%2fepjc>

%2fs2003-01291-4&partnerID=40&md5=6563c8c5d754ce7cad7a86f084293932

Single- and multi-photon production in e^+e^- collisions at \sqrt{s} up to 209 GeV: The ALEPH collaboration
(2003) *European Physical Journal C*, 28 (1), pp. 1-13.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0038722897&doi=10.1140%2fepjc%2fs2002-01129-7&partnerID=40&md5=bf23ad4f23acc673d5e1be229d7e2c28>

The ALEPH collaboration: Measurements of the strong coupling constant and the QCD colour factors using four-jet observables from hadronic Z decays

(2003) *European Physical Journal C*, 27 (1), pp. 1-17.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0037353216&partnerID=40&md5=a68b1b9f5084e788c6c312424132d3ec>

Search for supersymmetric particles with R-parity violating decays in e^+e^- collisions at \sqrt{s} up to 209 GeV

(2003) *European Physical Journal C*, 31 (1), pp. 1-16.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-2442547610&doi=10.1140%2fepjc%2fs2003-01311-5&partnerID=40&md5=f9104b23cefdff1ac9973b1aff4c3f8e>

Absolute lower limits on the masses of selectrons and sneutrinos in the MSSM

(2002) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 544 (1-2), pp. 73-88.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0037136596&doi=10.1016%2fS0370-2693%2802%2902471-1&partnerID=40&md5=c431e42ad9d6c5ac3cdcf27774bb9b>

Search for decays of a Higgs boson in e^+e^- collisions at \sqrt{s} up to 209 GeV

(2002) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 544 (1-2), pp. 16-24.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0037136619&doi=10.1016%2fS0370-2693%2802%2902242-6&partnerID=40&md5=7d209d9dbb9ef2a501eae052b9cfc6fa>

A flavour-independent Higgs boson search in e^+e^- collisions at \sqrt{s} up to 209 GeV

(2002) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 544 (1-2), pp. 25-34.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0037136614&doi=10.1016%2fS0370-2693%2802%2902241-4&partnerID=40&md5=26efb1cc04c5e483c99121628141a84>

Search for single top production in e^+e^- collisions at \sqrt{s} up to 209 GeV

(2002) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 543 (3-4), pp. 173-182.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0037533602&doi=10.1016%2fS0370-2693%2802%2902307-9&partnerID=40&md5=b569a868568518a891e8bf5ca2a15dl>

Search for charged Higgs bosons in e^+e^- collisions at energies up to $\sqrt{s} = 209$ GeV

(2002) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 543 (1-2), pp. 1-13.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0037026304&doi=10.1016%2fS0370-2693%2802%2902380-8&partnerID=40&md5=70272cfd1e1b168a64c5eeca902a12>

Search for scalar quarks in e^+e^- collisions at \sqrt{s} up to 209 GeV

(2002) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 537 (1-2), pp. 5-20.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0037071636&doi=10.1016%2fS0370-2693%2802%2901827-0&partnerID=40&md5=ffbe28ef66bc72edae84d09149ac2e2>

Search for charginos nearly mass degenerate with the lightest neutralino in e^+e^- collisions at centre-of-mass energies up to 209 GeV

(2002) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 533 (3-4), pp. 223-236.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0037046590&doi=10.1016%2fS0370-2693%2802%2901584-8&partnerID=40&md5=fd882151e56ee51eb2cd96118ae290f>

Search for b in e^+e^- collisions at LEP 2

(2002) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 530 (1-4), pp. 56-66.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0037187762&doi=10.1016%2fS0370-2693%2802%2901329-1&partnerID=40&md5=79dacda7f9b2577d2cf3ac8fd33bd25>

Inclusive production of the ρ and ω mesons in Z decays, and the muonic branching ratio of the ρ

(2002) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 528 (1-2), pp. 19-33.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-17744414923&doi=10.1016%2fS0370-2693%2802%2901220-0&partnerID=40&md5=be4b240e0f4a98c91ee3c9c415c87b>

Production of D_s^{**} mesons in hadronic Z decays

(2002) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 526 (1-2), pp. 34-49.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0037203735&doi=10.1016%2fS0370-2693%2801%2901465-4&partnerID=40&md5=b5aa6e58e4b79a2177a07e517656d7>

Search of microcalcification clusters with the CALMA CAD station

(2002) *Proceedings of SPIE-The International Society for Optical Engineering*, 4684 III, pp. 1301-1310.

<https://www.scopus.com/inward/record.uri?eid=2->

s2.0-18644380786&doi=10.1117%2f12.467091&partnerID=40&md5=e6480dc67229db8d72f052e81b1f5b35

Search for R-parity violating production of single sneutrinos in e+e- collisions at $\sqrt{s} = 189\text{--}209$ GeV: The ALEPH collaboration (2002) *European Physical Journal C*, 25 (1), pp. 1-12.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0036769465&partnerID=40&md5=35f88f9b9cdd0ba3a677bb5ac94f9de4>

Measurement of the forward-backward asymmetry in $Z \rightarrow b\bar{b}$ and $Z \rightarrow c\bar{c}$ decays with leptons: The ALEPH collaboration (2002) *European Physical Journal C*, 24 (2), pp. 177-191.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0036627952&doi=10.1007%2fs100520200950&partnerID=40&md5=9bf30d0626b498fe7e75befabfbebe09>

Search for scalar leptons in e+e- collisions at centre-of-mass energies up to 209 GeV (2002) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 526 (3-4), pp. 206-220.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-34547836711&doi=10.1016%2fS0370-2693%2801%2901494-0&partnerID=40&md5=4e6453a682efd92b42853d14003b8>

Final results of the searches for neutral Higgs bosons in e+e- collisions at \sqrt{s} up to 209 GeV (2002) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 526 (3-4), pp. 191-205.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-11244251929&doi=10.1016%2fS0370-2693%2801%2901487-3&partnerID=40&md5=c6b1a43db88859a6dc76dbb2d5e14>

Search for gauge mediated SUSY breaking topologies in e+e- collisions at centre-of-mass energies up to 209 GeV (2002) *European Physical Journal C*, 25 (3), pp. 339-351.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0036825076&doi=10.1007%2fs10052-002-1005-z&partnerID=40&md5=0a0b22bf7765652de8126670e46245da>

Study of the fragmentation of b quarks into B mesons at the Z peak (2001) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 512 (1-2), pp. 30-48.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0035849957&doi=10.1016%2fS0370-2693%2801%2900690-6&partnerID=40&md5=bc5a5a66e96cd7f7ac1cb9ad5e913e5>

Search for supersymmetric particles in e+e- collisions at \sqrt{s} up to 202 GeV and mass limit for the lightest neutralino (2001) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 499 (1-2), pp. 67-84.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0035252716&doi=10.1016%2fS0370-2693%2801%2900015-6&partnerID=40&md5=9a43e47fac04cb42aa1e9a34dd74f1c>

Searches for neutral Higgs bosons in e+e- collisions at centre-of-mass energies from 192 to 202 GeV (2001) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 499 (1-2), pp. 53-66.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0035252910&doi=10.1016%2fS0370-2693%2800%2901364-2&partnerID=40&md5=aadb8c0e1c93762c47558bc7e72878>

Inclusive semileptonic branching ratios of b hadrons produced in Z decays (2001) *European Physical Journal C*, 22 (4), pp. 613-626.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-23044531232&doi=10.1007%2fs100520100851&partnerID=40&md5=a2ae67ff5c4034942e67e4930beeb477>

Measurement of A_{FB}^b inclusive b-hadron decays (2001) *European Physical Journal C*, 22 (2), pp. 201-215.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0013160086&partnerID=40&md5=6c80f9ec6ca28c6a47132e83179ea00b>

Search for R-parity violating decays of supersymmetric particles in e+e- collisions at centre-of-mass energies from 189 GeV to 202 GeV (2001) *European Physical Journal C*, 19 (3), pp. 415-428.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0001538171&partnerID=40&md5=36b219b3a90d6bf7d1e6b76b6bf9ccfb>

Measurement of triple gauge-boson couplings at LEP energies up to 189 GeV (2001) *European Physical Journal C*, 21 (3), pp. 423-441.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0001732793&partnerID=40&md5=32f7a2a6831531e986cda59e6b043db4>

Measurement of the tau polarisation at LEP (2001) *European Physical Journal C*, 20 (3), pp. 401-430.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0000968813&partnerID=40&md5=2f7d9d2a8d3492c08ff02bab7de81a7c>

Investigation of inclusive CP asymmetries in B^0 decays (2001) *European Physical Journal C*, 20 (3), pp. 431-443.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0001619044&partnerID=40&md5=2fd0dbbddd5d809e52a6db8a98f923>

Measurement of the Michel parameters and the ν_e helicity in τ lepton decays (2001) *European Physical Journal C*, 22 (2), pp. 217-230.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0042366337&partnerID=40&md5=48de5953ca54b817d107e45458895115>

Observation of an excess in the search for the Standard Model Higgs boson at ALEPH
(2000) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 495 (1-2), pp. 1-17.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0034619805&doi=10.1016%2fS0370-2693%2800%2901269-7&partnerID=40&md5=9f0952535c0f958a2d4dcfb223b4c6c2>

Test results on heavily irradiated silicon detectors for the CMS experiment at LHC
(2000) *IEEE Transactions on Nuclear Science*, 47 (6 II), pp. 2092-2100.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0034450427&doi=10.1109%2f23.903854&partnerID=40&md5=0e672aaf7e998b2101f5251a15e57b22>

Search for a scalar top almost degenerate with the lightest neutralino in e^+e^- collisions at \sqrt{s} up to 202 GeV
(2000) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 488 (3-4), pp. 234-246.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0034618398&doi=10.1016%2fS0370-2693%2800%2900893-5&partnerID=40&md5=ffbd113ee8664bf4d3760e25bf7890ce>

Search for decays of a higgs boson produced in association with a fermion pair in e^+e^- collisions at LEP
(2000) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 487 (3-4), pp. 241-252.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0000829734&doi=10.1016%2fS0370-2693%2800%2900821-2&partnerID=40&md5=c1ddca008234c1f15d68beb9709b4dc>

Search for charged higgs bosons in e^+e^- collisions at energies up to $\sqrt{s} = 189$ GeV
(2000) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 487 (3-4), pp. 253-263.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0034679991&doi=10.1016%2fS0370-2693%2800%2900822-4&partnerID=40&md5=b140dde5d3a453ccea0f94be263fb75>

A study of the decay width difference in the $b(s)/0-B(s)/0$ system using correlations Aleph collaboration
(2000) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 486 (3-4), pp. 286-299.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0034601359&doi=10.1016%2fS0370-2693%2800%2900750-4&partnerID=40&md5=57281d6e282a80df6c33b2d8463b44c>

Measurement of W -pair production in e^+e^- collisions at 189 GeV: ALEPH collaboration
(2000) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 484 (3-4), pp. 205-217.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0001578349&doi=10.1016%2fS0370-2693%2800%2900624-9&partnerID=40&md5=eecba646353d74929f208e64cf08168>

Fermi-Dirac correlations in pairs in hadronic Z decays
(2000) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 475 (3-4), pp. 395-406.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0034594840&doi=10.1016%2fS0370-2693%2800%2900080-0&partnerID=40&md5=9be5629660e9251a1428792fa11c25c>

Beam test results on n^+ -on- n type silicon microstrip detectors before and after neutron irradiation
(2000) *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 440 (1), pp. 136-150.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0342733464&doi=10.1016%2fS0168-9002%2899%2900866-9&partnerID=40&md5=69e92713bb9758daa48f700a53bc82f>

Measurement of the W mass and width in e^+e^- collisions at 189 GeV
(2000) *European Physical Journal C*, 17 (2), pp. 241-261.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0000829735&partnerID=40&md5=978b969b903acf1554c70c78b61da7c1>

Study of charm production in Z decays
(2000) *European Physical Journal C*, 16 (4), pp. 597-611.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0000139912&partnerID=40&md5=8de456ae0bbac458669686976a7f59a2>

Inclusive production of $0, ,$ (958), K_0 and η in two- and three-jet events from hadronic Z decays
(2000) *European Physical Journal C*, 16 (4), pp. 613-634.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0004666516&partnerID=40&md5=d139d839a635c00860654dc2a9c74fa6>

A measurement of the b -quark mass from hadronic Z decays
(2000) *European Physical Journal C*, 18 (1), pp. 1-13.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-17544395561&partnerID=40&md5=819b9446fc58bc6a42ce4a0fc8b06a36>

Search for the neutral Higgs bosons of the standard model and the MSSM in e^+e^- collisions at $\sqrt{s} = 189$ GeV
(2000) *European Physical Journal C*, 17 (2), pp. 223-240.
<https://www.scopus.com/inward/record.uri?eid=2->

s2.0-0001892233&partnerID=40&md5=9a55b1c52f93e672b141b43a2b0ce423

Search for gauge mediated SUSY breaking topologies at $\sqrt{s} = 189$ GeV

(2000) *European Physical Journal C*, 16 (1), pp. 71-85.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-17344380227&partnerID=40&md5=8bf4cd212c7b64b51f34004e728d830b)

s2.0-17344380227&partnerID=40&md5=8bf4cd212c7b64b51f34004e728d830b

Search for R-parity violating decays of supersymmetric particles in e+e-collisions at centre-of-mass energies near 183 GeV

(2000) *European Physical Journal C*, 13 (1), pp. 29-46.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0002703078&partnerID=40&md5=8a048422c090b7bdbccc60ea8559763c)

s2.0-0002703078&partnerID=40&md5=8a048422c090b7bdbccc60ea8559763c

Measurements of the structure of quark and gluon jets in hadronic Z decays

(2000) *European Physical Journal C*, 17 (1), pp. 1-18.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0002096083&partnerID=40&md5=b25f3ad3b1adab2f12144dbef164e128>

Measurement of the Z resonance parameters at LEP

(2000) *European Physical Journal C*, 14 (1), pp. 1-50.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0002096073&partnerID=40&md5=cd65cf3e36680d40051810824fd6d9ea)

s2.0-0002096073&partnerID=40&md5=cd65cf3e36680d40051810824fd6d9ea

Study of fermion pair production in e+e- collisions at 130-183 GeV

(2000) *European Physical Journal C*, 12 (2), pp. 183-207.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-2342430573&partnerID=40&md5=2b54da9558fc2322d4c935d5f2f8d0e6>

Test results of heavily irradiated Si detectors

(1999) *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 422 (1-3), pp. 238-241.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-9144232489&doi=10.1016%2fS0168-9002%2898%2901101-2&partnerID=40&md5=a411ea0c64207f1687c75d2f3324041)

s2.0-9144232489&doi=10.1016%2fS0168-9002%2898%2901101-2&partnerID=40&md5=a411ea0c64207f1687c75d2f3324041

The CMS silicon strip tracker

(1999) *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 435 (1-2), pp. 102-108.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0033207932&doi=10.1016%2fS0168-9002%2899%2900585-9&partnerID=40&md5=1393b8dcae87498a54a8959a189c1ff)

s2.0-0033207932&doi=10.1016%2fS0168-9002%2899%2900585-9&partnerID=40&md5=1393b8dcae87498a54a8959a189c1ff

The R&D program for silicon detectors in CMS

(1999) *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 435 (1-2), pp. 109-117.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0033207380&doi=10.1016%2fS0168-9002%2899%2900419-2&partnerID=40&md5=30d93be6d9798fc02fba14b5a2ec723)

s2.0-0033207380&doi=10.1016%2fS0168-9002%2899%2900419-2&partnerID=40&md5=30d93be6d9798fc02fba14b5a2ec723

Test beam results on irradiated silicon detectors for the CMS silicon strip tracker

(1999) *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 434 (2), pp. 313-336.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0033592256&doi=10.1016%2fS0168-9002%2899%2900477-5&partnerID=40&md5=dbea165e2ad24291f6106d5821ade9c)

s2.0-0033592256&doi=10.1016%2fS0168-9002%2899%2900477-5&partnerID=40&md5=dbea165e2ad24291f6106d5821ade9c

CMS silicon microstrip detectors: Research and development

(1999) *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 426 (1), pp. 16-23.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-20244381801&doi=10.1016%2fS0168-9002%2898%2901461-2&partnerID=40&md5=67ffed187ce052aeec716f0530786af)

s2.0-20244381801&doi=10.1016%2fS0168-9002%2898%2901461-2&partnerID=40&md5=67ffed187ce052aeec716f0530786af

Characterisation and simulation of a single-sided, n+ on n silicon microstrip detector before and after neutron irradiation

(1999) *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 428 (2), pp. 336-347.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-0344642584&doi=10.1016%2fS0168-9002%2899%2900042-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0344642584&doi=10.1016%2fS0168-9002%2899%2900042-X&partnerID=40&md5=ac76916df60eaeda41b50ecc17afe069)

X&partnerID=40&md5=ac76916df60eaeda41b50ecc17afe069

Monitoring the stability of the ALEPH vertex detector

(1999) *Nuclear Physics B - Proceedings Supplements*, 78 (1-3), pp. 301-306.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0033177153&doi=10.1016%2fS0920-5632%2899%2900561-7&partnerID=40&md5=cfb098102f2e8c336f215b474903fe40)

s2.0-0033177153&doi=10.1016%2fS0920-5632%2899%2900561-7&partnerID=40&md5=cfb098102f2e8c336f215b474903fe40

The silicon microstrip tracker for CMS

(1999) *Nuclear Physics B - Proceedings Supplements*, 78 (1-3), pp. 315-321.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0033177172&doi=10.1016%2fS0920-5632%2899%2900564-2&partnerID=40&md5=dab6e6494f08a8d6103856d8a2116ac)

s2.0-0033177172&doi=10.1016%2fS0920-5632%2899%2900564-2&partnerID=40&md5=dab6e6494f08a8d6103856d8a2116ac

R&D for the CMS silicon tracker

- (1999) *Nuclear Physics B - Proceedings Supplements*, 78 (1-3), pp. 322-328.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-18744431636&doi=10.1016%2fS0920-5632%2899%2900565-4&partnerID=40&md5=c59f02f746238e1b50607548b32aab>
- Measurement of the hadronic photon structure function at LEP 1 for Q^2 values between 9.9 and 284 GeV²
(1999) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 458 (1), pp. 152-166.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0001394187&doi=10.1016%2fS0370-2693%2899%2900559-6&partnerID=40&md5=ebf31867cc9ea4f619aab1f0752ba9e2>
- Study of T decays involving kaons, spectral functions and determination of the strange quark mass
(1999) *European Physical Journal C*, 11 (4), pp. 599-618.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0040113251&partnerID=40&md5=9cb818e8b057447d14fd20d18b4ad7eb>
- One-prong decays with kaons
(1999) *European Physical Journal C*, 10 (1), pp. 1-18.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0001793685&partnerID=40&md5=3ac3ebcfd40eed5aa46b297c16f90f>
- Measurement of the $e^+e^- \rightarrow Z\gamma$ production cross section at centre-of-mass energies of 183 and 189 GeV
(1999) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 469 (1-4), pp. 287-302.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-17944369122&doi=10.1016%2fS0370-2693%2899%2901288-5&partnerID=40&md5=f1d46ca5c26c5e3be4087dc82689a7>
- Measurement of W-pair production in e^+e^- collisions at 183 GeV
(1999) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 453 (1-2), pp. 107-120.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0000130920&doi=10.1016%2fS0370-2693%2899%2900304-4&partnerID=40&md5=8a2e544d153e80ec64cff2077d7aab3>
- A study of single W production in e^+e^- collisions at $\sqrt{s} = 161-183$ GeV
(1999) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 462 (3-4), pp. 389-400.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0000569724&doi=10.1016%2fS0370-2693%2899%2900899-0&partnerID=40&md5=9df0261143bd078759e6dd9bd7fddd0>
- Search for invisible Higgs boson decays in e^+e^- collisions at centre-of-mass energies up to 184 GeV
(1999) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 450 (1-3), pp. 301-312.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0001301486&doi=10.1016%2fS0370-2693%2899%2900117-3&partnerID=40&md5=07b05521c17bc7da51134a95135bd2>
- Determination of the LEP centre-of-mass energy from Z events
(1999) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 464 (3-4), pp. 339-349.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-9144234579&doi=10.1016%2fS0370-2693%2899%2900903-X&partnerID=40&md5=907549e939ea127fc0abf020b9edcfc5>
- Analysis of transverse momentum correlations in hadronic Z decays
(1999) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 447 (1-2), pp. 183-198.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-9744222683&doi=10.1016%2fS0370-2693%2898%2901572-X&partnerID=40&md5=3091030e508a600324cee2f866a598e9>
- Search for the standard model Higgs boson at the LEP2 Collider near $\sqrt{s} = 183$ GeV
(1999) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 447 (3-4), pp. 336-351.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0001571092&doi=10.1016%2fS0370-2693%2898%2901506-8&partnerID=40&md5=92ad2d0adb45ee6562a2d3a1e7f080>
- Search for an invisibly decaying Higgs boson in e^+e^- collisions at 189 GeV
(1999) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 466 (1), pp. 50-60.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0006150296&doi=10.1016%2fS0370-2693%2899%2901104-1&partnerID=40&md5=850878d6343526970da4fcc458adb0>
- Search for charginos and neutralinos in e^+e^- collisions at centre-of-mass energies near 183 GeV and constraints on the MSSM parameter space
(1999) *European Physical Journal C*, 11 (2), pp. 193-216.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0000506803&partnerID=40&md5=f2a6575b37a1350af18358b2c6498199>
- Search for B_s^0 oscillations using inclusive lepton events
(1999) *European Physical Journal C*, 7 (4), pp. 553-569.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0000283006&partnerID=40&md5=4bc69fd86a67f0a35f698f0d70717ea3>
- Search for supersymmetry with a dominant R-parity violating LQD coupling in e^+e^- collisions at centre-of-mass energies of 130 GeV to 172 GeV
(1999) *European Physical Journal C*, 7 (3), pp. 383-405.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0000283006&partnerID=40&md5=4bc69fd86a67f0a35f698f0d70717ea3>

s2.0-0001442958&partnerID=40&md5=37c66fe436095489bdd9950ab65440f1

Search for charged Higgs bosons in $e+e$ -collisions at $\sqrt{s} = 181$ -184 GeV

(1999) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 450 (4), pp. 467-478.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0005360657&doi=10.1016%2fS0370-2693%2899%2900149-5&partnerID=40&md5=888e5d265e221e0d8248eb3d8492a6)

s2.0-0005360657&doi=10.1016%2fS0370-2693%2899%2900149-5&partnerID=40&md5=888e5d265e221e0d8248eb3d8492a6

Searches for sleptons and squarks in $e+e$ - collisions at 189 GeV

(1999) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 469 (1-4), pp. 303-314.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0005985040&doi=10.1016%2fS0370-2693%2899%2901280-0&partnerID=40&md5=683e54aad2589699fed36b016005bb)

s2.0-0005985040&doi=10.1016%2fS0370-2693%2899%2901280-0&partnerID=40&md5=683e54aad2589699fed36b016005bb

A direct measurement of $|V_{cs}|$ in hadronic W decays using a charm tag

(1999) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 465 (1-4), pp. 349-362.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0003198098&doi=10.1016%2fS0370-2693%2899%2901088-6&partnerID=40&md5=7fdd66c160375b946ade94d1a71ccf5)

s2.0-0003198098&doi=10.1016%2fS0370-2693%2899%2901088-6&partnerID=40&md5=7fdd66c160375b946ade94d1a71ccf5

Determination of $|V_{ub}|$ from the measurement of the inclusive charmless semileptonic branching ratio of b hadrons

(1999) *European Physical Journal C*, 6 (4), pp. 555-574.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-17544390649&partnerID=40&md5=dde8504746cc7c05dd51c5b6087ea15c)

s2.0-17544390649&partnerID=40&md5=dde8504746cc7c05dd51c5b6087ea15c

Measurement of the W mass in $e+e$ - collisions at 183 GeV

(1999) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 453 (1-2), pp. 121-137.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-4243765025&doi=10.1016%2fS0370-2693%2899%2900305-6&partnerID=40&md5=a788ed2848032b313f436621acf8d5d)

s2.0-4243765025&doi=10.1016%2fS0370-2693%2899%2900305-6&partnerID=40&md5=a788ed2848032b313f436621acf8d5d

Measurement of triple gauge WW couplings at LEP2 using photonic events

(1998) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 445 (1-2), pp. 239-248.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0346308935&doi=10.1016%2fS0370-2693%2898%2901475-0&partnerID=40&md5=deb2212b5d76f17558913f468626e5a)

s2.0-0346308935&doi=10.1016%2fS0370-2693%2898%2901475-0&partnerID=40&md5=deb2212b5d76f17558913f468626e5a

The CMS silicon tracker

(1998) *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 419 (2-3), pp. 538-543.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0346310826&doi=10.1016%2fS0168-9002%2898%2900831-6&partnerID=40&md5=a9959650819f387b16638672619b60)

s2.0-0346310826&doi=10.1016%2fS0168-9002%2898%2900831-6&partnerID=40&md5=a9959650819f387b16638672619b60

Measurement of the b baryon lifetime and branching fractions in Z decays

(1998) *European Physical Journal C*, 2 (2), pp. 197-211.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0032437788&partnerID=40&md5=42591ab752d01c7cecd2d52587e29c4)

s2.0-0032437788&partnerID=40&md5=42591ab752d01c7cecd2d52587e29c4

K^0_S production in Z decays

(1998) *European Physical Journal C*, 4 (1), pp. 29-45.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0032417385&partnerID=40&md5=7af065e683afb16da9102c8f8407a6b5)s2.0-0032417385&partnerID=40&md5=7af065e683afb16da9102c8f8407a6b5

Search for the standard model Higgs boson at the LEP2 collider near $\sqrt{s} = 183$ GeV

(1998) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 440 (3-4), pp. 403-418.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0348199811&doi=10.1016%2fS0370-2693%2898%2901239-8&partnerID=40&md5=48a4451f6d8b9d649b5bb8210ea0d0)

s2.0-0348199811&doi=10.1016%2fS0370-2693%2898%2901239-8&partnerID=40&md5=48a4451f6d8b9d649b5bb8210ea0d0

Searches for the neutral Higgs bosons of the MSSM in $e+e$ - collisions at centre-of-mass energies of 181-184 GeV

(1998) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 440 (3-4), pp. 419-434.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0038962224&doi=10.1016%2fS0370-2693%2898%2901240-4&partnerID=40&md5=d74e600d10bc95c66681560040e5df7)

s2.0-0038962224&doi=10.1016%2fS0370-2693%2898%2901240-4&partnerID=40&md5=d74e600d10bc95c66681560040e5df7

Study of D^0 - \bar{D}^0 mixing and D^0 doubly Cabibbo-suppressed decays

(1998) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 436 (1-2), pp. 211-221.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0347564280&doi=10.1016%2fS0370-2693%2898%2900946-0&partnerID=40&md5=3fff3081def1e25da1bf0ede16e814c4)

s2.0-0347564280&doi=10.1016%2fS0370-2693%2898%2900946-0&partnerID=40&md5=3fff3081def1e25da1bf0ede16e814c4

The forward-backward asymmetry for charm quarks at the Z

(1998) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 434 (3-4), pp. 415-425.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0013161346&doi=10.1016%2fS0370-2693%2898%2900818-1&partnerID=40&md5=4412bda0ee87006cce136bacb0d83d)

s2.0-0013161346&doi=10.1016%2fS0370-2693%2898%2900818-1&partnerID=40&md5=4412bda0ee87006cce136bacb0d83d

A measurement of the gluon splitting rate into $b\bar{b}$ pairs in hadronic Z decays

(1998) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 434 (3-4), pp. 437-450.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-14144252489&doi=10.1016%2fS0370-2693%2898%2900850-8&partnerID=40&md5=b2714fa3e1e8a8edb61068bdfd8238)

s2.0-14144252489&doi=10.1016%2fS0370-2693%2898%2900850-8&partnerID=40&md5=b2714fa3e1e8a8edb61068bdfd8238

Scalar quark searches in e^+e^- collisions at $\sqrt{s} = 181 - 184$ GeV
(1998) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 434 (1-2), pp. 189-199.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0006150458&doi=10.1016%2fS0370-2693%2898%2900662-5&partnerID=40&md5=9bcac49fc965311dc3caa3e22c4b856>

Search for sleptons in e^+e^- collisions at centre-of-mass energies up to 184 GeV ALEPH Collaboration
(1998) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 433 (1-2), pp. 176-194.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0346333366&doi=10.1016%2fS0370-2693%2898%2900690-X&partnerID=40&md5=de6d9d3d79bb6b02d702ad2656fa0ee9>

Single- and multi-photon production in e^+e^- collisions at a centre-of-mass energy of 183 GeV
(1998) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 429 (1-2), pp. 201-214.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0345869842&doi=10.1016%2fS0370-2693%2898%2900468-7&partnerID=40&md5=a34e9e678475490f2522d00e55abb0c>

A measurement of the inclusive $b \rightarrow s$ branching ratio
(1998) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 429 (1-2), pp. 169-187.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0346613600&doi=10.1016%2fS0370-2693%2898%2900404-3&partnerID=40&md5=bfc7e00b17b40e46c1d157b932a094c>

Beam test results for single- and double-sided irradiated silicon detector prototypes of the CMS Central Detector
(1998) *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 409 (1-3), pp. 135-138.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0348114539&doi=10.1016%2fS0168-9002%2898%2900082-5&partnerID=40&md5=392bd3d52a4a23e164d45c36db7fc4e>

The new ALEPH Silicon Vertex Detector
(1998) *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 409 (1-3), pp. 157-160.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0032068474&doi=10.1016%2fS0168-9002%2897%2991255-9&partnerID=40&md5=af8773829ae12186f8ebe71fe0acc44c>

The CMS silicon tracker at LHC
(1998) *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 409 (1-3), pp. 105-111.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0032064249&doi=10.1016%2fS0168-9002%2897%2901247-3&partnerID=40&md5=db481e04a3de8fbc0c2ceed10d7ef3b1>

Determination of A_{FB} using jet charge measurements in Z decays
(1998) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 426 (1-2), pp. 217-230.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0039357741&doi=10.1016%2fS0370-2693%2898%2900345-1&partnerID=40&md5=1b3144fb7c160a301faff133649c73f4>

Resonant structure and flavour tagging in the B_{\pm} system using fully reconstructed B decays
(1998) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 425 (1-2), pp. 215-226.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0347760643&doi=10.1016%2fS0370-2693%2898%2900180-4&partnerID=40&md5=fa171fc14a95595e9af1b3bbf1033e70>

Measurement of triple gauge-boson couplings at 172 GeV
(1998) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 422 (1-4), pp. 369-383.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0039065188&doi=10.1016%2fS0370-2693%2898%2900061-6&partnerID=40&md5=fea4998653a09572f5f8d22e427ea021>

Measurement of the W mass by direct reconstruction in e^+e^- collisions at 172 GeV
(1998) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 422 (1-4), pp. 384-398.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0343589355&doi=10.1016%2fS0370-2693%2898%2900062-8&partnerID=40&md5=63d53fd167711c790e91d7666981004>

Search for supersymmetry in the photon(s) plus missing energy channels at $\sqrt{s} = 161$ GeV and 172 GeV
(1998) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 420 (1-2), pp. 127-139.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0345829516&doi=10.1016%2fS0370-2693%2897%2901555-4&partnerID=40&md5=b49c3735f1c442d67e79a39402d6284>

Four-jet final state production in e^+e^- collisions at centre-of-mass energies ranging from 130 to 184 GeV
(1998) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 420 (1-2), pp. 196-204.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0346460477&doi=10.1016%2fS0370-2693%2897%2901596-7&partnerID=40&md5=42cbe60f3773cb9a65fa97714446e08>

Search for charged Higgs bosons in e^+e^- collisions at centre-of-mass energies from 130 to 172 GeV
(1998) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 418 (3-4), pp. 419-429.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-33744611520&doi=10.1016%2fS0370-2693%2897%2901490-1&partnerID=40&md5=c2d0d822b3bb6cbd29b0d5842abf0e>

Construction and performance of the new ALEPH vertex detector
(1998) *Nuclear Physics B - Proceedings Supplements*, 61 (3 SUPPL.), pp. 201-206.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0031991916&doi=10.1016%2fS0920-5632%2897%2900562-8&partnerID=40&md5=a2310d1a8af44d3729362bc0c4e6c12>

Three-prong decays with charged kaons
(1998) *European Physical Journal C*, 1 (1-2), pp. 65-79.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0037982224&doi=10.1007%2fBF01245798&partnerID=40&md5=57d71066b50660d0577325191bb8dfce>

Search for evidence of compositeness at LEP I
(1998) *European Physical Journal C*, 4 (4), pp. 571-590.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0001465477&partnerID=40&md5=6610caef41ed58b8fd2bda4a8300822>

An upper limit on the neutrino mass from three- and five-prong tau decays
(1998) *European Physical Journal C*, 2 (3), pp. 395-406.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0039402048&partnerID=40&md5=a9316c632b60f1c1a8520e79db54a9e2>

Searches for charginos and neutralinos in $e+e-$ collisions at $\sqrt{s} = 161$ and 172 GeV
(1998) *European Physical Journal C*, 2 (3), pp. 417-439.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0006611877&partnerID=40&md5=2bf10010ab67ca88bdfb25931204c786>

Observation of doubly-charmed B decays at LEP
(1998) *European Physical Journal C*, 4 (3), pp. 387-407.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0010448682&partnerID=40&md5=4ac8a62d59d90e5c0311e088ccaf2414>

Studies of quantum chromodynamics with the ALEPH detector
(1998) *Physics Report*, 294 (1-3), pp. 1-165.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0031993193&doi=10.1016%2fS0370-1573%2897%2900045-8&partnerID=40&md5=979ecd75eachcc72b15668311ba3f50>

Measurement of the axial-vector spectral functions and determination of $\langle s(M^2) \rangle$ from hadronic decays
(1998) *European Physical Journal C*, 4 (3), pp. 409-431.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0040587122&partnerID=40&md5=d453d88c0b485da62296ff973f04996f>

A measurement of the semileptonic branching ratio $BR(b\text{-baryon} \rightarrow p\ell\nu X)$ and a study of inclusive \pm , K^\pm , (p, \bar{p}) production in Z decays
(1998) *European Physical Journal C*, 5 (2), pp. 205-227.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0011125920&partnerID=40&md5=ea5d6bdc5f5d265833196dcc2b595715>

Search for supersymmetry with a dominant R-parity violating LL coupling in $e+e$ -collisions at centre-of-mass energies of 130 GeV to 172 GeV
(1998) *European Physical Journal C*, 4 (3), pp. 433-451.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0000857093&partnerID=40&md5=2b344391e87b4e9b67327ffe65379eff>

Study of B_0 s oscillations and lifetime using fully reconstructed D^{\pm} decays
(1998) *European Physical Journal C*, 4 (3), pp. 367-385.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0005915924&partnerID=40&md5=8e138933027f17a78a4a61dd33ba8ae1>

Measurement of the fraction of hadronic Z decays into charm quark pairs
(1998) *European Physical Journal C*, 4 (4), pp. 557-570.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0040543005&partnerID=40&md5=cbf7585bff6709a6f47775c101526d00>

Measurement of the W-pair cross section in $e+e-$ collisions at 172 GeV
(1997) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 415 (4), pp. 435-444.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0040740635&doi=10.1016%2fS0370-2693%2897%2901266-5&partnerID=40&md5=a5a2db702f9bf1b446696a190d63fe6t>

Inclusive production of neutral pions in hadronic Z decays
(1997) *Zeitschrift für Physik C-Particles and Fields*, 74 (3), pp. 451-461.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0000499317&partnerID=40&md5=bf16abc3a9a3e63b53c3faff32bf82be>

Updated measurement of the lepton lifetime
(1997) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 414 (3-4), pp. 362-372.
<https://www.scopus.com/inward/record.uri?eid=2->

s2.0-0040086121&doi=10.1016%2fS0370-2693%2897%2901116-7&partnerID=40&md5=db9a7b78625b89a35e761f656bcf903

Searches for scalar top and scalar bottom quarks at LEP2

(1997) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 413 (3-4), pp. 431-446.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0040571459&doi=10.1016%2fS0370-2693%2897%2901178-7&partnerID=40&md5=4a407937041c095c83754ac03baca4)

s2.0-0040571459&doi=10.1016%2fS0370-2693%2897%2901178-7&partnerID=40&md5=4a407937041c095c83754ac03baca4

Search for the neutral Higgs bosons of the MSSM in e+e- collisions at s from 130 to 172 GeV

(1997) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 412 (1-2), pp. 173-188.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-24244448941&doi=10.1016%2fS0370-2693%2897%2901112-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-24244448941&doi=10.1016%2fS0370-2693%2897%2901112-X&partnerID=40&md5=5186566f241a633cabff879f4f897231)

X&partnerID=40&md5=5186566f241a633cabff879f4f897231

Search for the Standard Model Higgs boson in e+e- collisions at s = 161, 170 and 172 GeV

(1997) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 412 (1-2), pp. 155-172.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0347084956&doi=10.1016%2fS0370-2693%2897%2901110-6&partnerID=40&md5=6e7f21b746d5c591a0d9e60fa9d0460)

s2.0-0347084956&doi=10.1016%2fS0370-2693%2897%2901110-6&partnerID=40&md5=6e7f21b746d5c591a0d9e60fa9d0460

Search for sleptons in e+e- collisions at centre-of-mass energies of 161 GeV and 172 GeV

(1997) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 407 (3-4), pp. 377-388.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0000337541&doi=10.1016%2fS0370-2693%2897%2900892-7&partnerID=40&md5=55de4d856b7f1ee3b041aed844a3611)

s2.0-0000337541&doi=10.1016%2fS0370-2693%2897%2900892-7&partnerID=40&md5=55de4d856b7f1ee3b041aed844a3611

Beam test results for single- and double-sided silicon detector prototypes of the CMS central detector

(1997) *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 396 (1-2), pp. 76-92.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-0031233822&doi=10.1016%2fS0168-9002%2897%2900750-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0031233822&doi=10.1016%2fS0168-9002%2897%2900750-X&partnerID=40&md5=cd356d9e631e3df3f948352126648266)

X&partnerID=40&md5=cd356d9e631e3df3f948352126648266

A measurement of the QCD colour factors and a limit on the light gluino

(1997) *Zeitschrift fur Physik C-Particles and Fields*, 76 (1), pp. 1-14.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0007270038&partnerID=40&md5=225c10f57d71958a5c34e9e9a7909a52)

s2.0-0007270038&partnerID=40&md5=225c10f57d71958a5c34e9e9a7909a52

Search for pair-production of long-lived heavy charged particles in e+e- annihilation

(1997) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 405 (3-4), pp. 379-388.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0013155336&partnerID=40&md5=5e1bfb6149a51beacfd0255828c28f>

Measurement of the transverse spin correlations in the decay $Z \rightarrow e^+e^-$

(1997) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 405 (1-2), pp. 191-201.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0039971748&doi=10.1016%2fS0370-2693%2897%2900664-3&partnerID=40&md5=2e1f3eb678fe432aac124231eb0ba70)

s2.0-0039971748&doi=10.1016%2fS0370-2693%2897%2900664-3&partnerID=40&md5=2e1f3eb678fe432aac124231eb0ba70

Measurement of the branching fraction for $D^0 \rightarrow K^- \pi^+$

(1997) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 403 (3-4), pp. 367-376.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0013164732&doi=10.1016%2fS0370-2693%2897%2900585-6&partnerID=40&md5=9835bdd0b537c1d1b9d46a4bf12f775)

s2.0-0013164732&doi=10.1016%2fS0370-2693%2897%2900585-6&partnerID=40&md5=9835bdd0b537c1d1b9d46a4bf12f775

Search for the B_c meson in hadronic Z decays

(1997) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 402 (1-2), pp. 213-226.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0043130244&doi=10.1016%2fS0370-2693%2897%2900461-9&partnerID=40&md5=98e2853561644e2221757544fa155cc)

s2.0-0043130244&doi=10.1016%2fS0370-2693%2897%2900461-9&partnerID=40&md5=98e2853561644e2221757544fa155cc

Measurement of the W mass in e+e- collisions at production threshold

(1997) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 401 (3-4), pp. 347-362.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0002392557&doi=10.1016%2fS0370-2693%2897%2900460-7&partnerID=40&md5=f3a3671f86564fe61827596d93e87f07)

s2.0-0002392557&doi=10.1016%2fS0370-2693%2897%2900460-7&partnerID=40&md5=f3a3671f86564fe61827596d93e87f07

A measurement of R_b using mutually exclusive tags

(1997) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 401 (1-2), pp. 163-175.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-12944286980&doi=10.1016%2fS0370-2693%2897%2900407-3&partnerID=40&md5=0dc802e38d26501aa1b663c224a1c)

s2.0-12944286980&doi=10.1016%2fS0370-2693%2897%2900407-3&partnerID=40&md5=0dc802e38d26501aa1b663c224a1c

A measurement of R_b using a lifetime-mass tag

(1997) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 401 (1-2), pp. 150-162.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0347702384&doi=10.1016%2fS0370-2693%2897%2900406-1&partnerID=40&md5=303fbf6b09e8f7eef7d5192484aff12f)

s2.0-0347702384&doi=10.1016%2fS0370-2693%2897%2900406-1&partnerID=40&md5=303fbf6b09e8f7eef7d5192484aff12f

Study of muon-pair production at centre-of-mass energies from 20 to 136 GeV with the ALEPH detector

(1997) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 399 (3-4), pp. 329-341.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0001349970&doi=10.1016%2fS0370-2693%2897%2900353-5&partnerID=40&md5=72c56be7bf857dbf1f21a1df612f0aae)

s2.0-0001349970&doi=10.1016%2fS0370-2693%2897%2900353-5&partnerID=40&md5=72c56be7bf857dbf1f21a1df612f0aae

- Measurements of $|V_{cb}|$, form factors and branching fractions in the decays $B^0 \rightarrow D^{*+} \nu$ and $B^0 \rightarrow D^+ \nu$
(1997) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 395 (3-4), pp. 373-387.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0004252667&doi=10.1016%2fS0370-2693%2897%2900071-3&partnerID=40&md5=ef8198a799f802c9f9fbc27cda6e3ea5>
- Studies of QCD in e^+e^- hadrons at $E_{cm} = 130$ and 136 GeV
(1997) *Zeitschrift fur Physik C-Particles and Fields*, 73 (3), pp. 409-420.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0012728483&partnerID=40&md5=d8061961016126dae790ea9f651492ae>
- Performance of the Aleph Upgraded Silicon Vertex Detector
(1997) *Nuclear Physics B - Proceedings Supplements*, 54 (3), pp. 317-322.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0031100208&doi=10.1016%2fS0920-5632%2897%2900129-1&partnerID=40&md5=555c7e2c6aace597c256155c7f87a24>
- Improved measurement of the $B_d^0 \rightarrow B^0$ oscillation frequency
(1997) *Zeitschrift fur Physik C-Particles and Fields*, 75 (3), pp. 397-407.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-33750426075&partnerID=40&md5=e4cbd34e6c82a65534e7a4909bc667d4>
- Measurement of the spectral functions of vector current hadronic tau decays
(1997) *Zeitschrift fur Physik C-Particles and Fields*, 76 (1), pp. 15-33.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-33750390891&partnerID=40&md5=ff7646d6494bda0bc85bd06c81b71e4c>
- Transverse momentum correlations in hadronic Z decays
(1997) *Zeitschrift fur Physik C-Particles and Fields*, 73 (3), pp. 421-432.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-33750427303&partnerID=40&md5=a51cbb97d7a48dc523f89d21c47f01e3>
- Measurement of the lepton lifetime with the three-dimensional impact parameter method
(1997) *Zeitschrift fur Physik C-Particles and Fields*, 74 (3), pp. 387-398.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0038901448&partnerID=40&md5=f3086d847851b00dd2657230d991e303>
- A study of decays involving η and mesons
(1997) *Zeitschrift fur Physik C-Particles and Fields*, 74 (2), pp. 263-273.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0001124064&partnerID=40&md5=fe8518966f738f4be4705980e96545cb>
- The topology dependence of charged particle multiplicities in three-jet events
(1997) *Zeitschrift fur Physik C-Particles and Fields*, 76 (2), pp. 191-199.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0040743095&partnerID=40&md5=8c1154e711de2790b4e1d4699b74e151>
- Production of orbitally excited charm mesons in semileptonic B decays
(1997) *Zeitschrift fur Physik C-Particles and Fields*, 73 (4), pp. 601-612.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0007474638&partnerID=40&md5=af6b33c1e7288ed143f5a5eeee77dc93>
- Charm counting in b decays
(1996) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 388 (3), pp. 648-658.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0008626521&doi=10.1016%2fS0370-2693%2896%2901318-4&partnerID=40&md5=325fee0993e2c58005b75ba8d24954z>
- Four-fermion production in e^+e^- collisions at centre-of-mass energies of 130 and 136 GeV
(1996) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 388 (2), pp. 419-430.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0001432243&doi=10.1016%2fS0370-2693%2896%2901226-9&partnerID=40&md5=022d37af81da6f6453558fb766cc60c9>
- A high resolution beam telescope built with double sided silicon strip detectors
(1996) *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 381 (1), pp. 49-56.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0030260512&doi=10.1016%2f0168-9002%2896%2900431-7&partnerID=40&md5=327ef4d3724ce6075e9eb0902e79db0c>
- Search for excited leptons at 130-140 GeV
(1996) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 385 (1-4), pp. 445-453.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0042595364&doi=10.1016%2f0370-2693%2896%2900961-6&partnerID=40&md5=c25c74d3faa5b26152888e7f35b78409>
- Quark and gluon jet properties in symmetric three-jet events
(1996) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 384 (1-4), pp. 353-364.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0040743190&doi=10.1016%2f0370-2693%2896%2900849-0&partnerID=40&md5=8b90e313b41bce35d3b87fb201859d9t>

A study of single and multi-photon production in e^+e^- collisions at centre-of-mass energies of 130 and 136 GeV
(1996) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 384 (1-4), pp. 333-342.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0043016544&doi=10.1016%2f0370-2693%2896%2900930-6&partnerID=40&md5=f6e459be4804fc149a05b03de80b8a93>

Search for heavy lepton pair production in e^+e^- collisions at centre-of-mass energies of 130 and 136 GeV
(1996) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 384 (1-4), pp. 439-448.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0042515509&doi=10.1016%2f0370-2693%2896%2900928-8&partnerID=40&md5=28de748fa41d9fb473a57eb1e6a7f6c6>

Mass limit for the standard model Higgs boson with the full LEP I ALEPH data sample

(1996) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 384 (1-4), pp. 427-438.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0042595424&doi=10.1016%2f0370-2693%2896%2900800-3&partnerID=40&md5=2142c894fe3c2568d019a27f6963691c>

Search for charginos and neutralinos with R -parity violation at $\sqrt{s} = 130$ and 136 GeV

(1996) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 384 (1-4), pp. 461-470.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0042376755&doi=10.1016%2f0370-2693%2896%2900915-X&partnerID=40&md5=8b8e3b28bac86b6612e4c8a25eb57f02>

Strange b baryon production and lifetime in Z decays

(1996) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 384 (1-4), pp. 449-460.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0042595431&doi=10.1016%2f0370-2693%2896%2900925-2&partnerID=40&md5=f759d65a9ed833623cee31c5555981c8>

Observation of charmless hadronic B decays

(1996) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 384 (1-4), pp. 471-480.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0043096305&doi=10.1016%2f0370-2693%2896%2900929-X&partnerID=40&md5=5cdf6814062d9ed0effdbf762b53fc72>

Measurement of the b forward-backward asymmetry and mixing using high- p_T leptons

(1996) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 384 (1-4), pp. 414-426.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0013071940&doi=10.1016%2f0370-2693%2896%2900926-4&partnerID=40&md5=1835f7b5e0392e09ef723bf00fb49c46>

Search for CP violation in the decay $Z \rightarrow b\bar{b}g$

(1996) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 384 (1-4), pp. 365-376.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0043096307&doi=10.1016%2f0370-2693%2896%2900927-6&partnerID=40&md5=52e13014e30c4ad34eb04e5e357228d>

Measurement of the mass of the Λ_b baryon

(1996) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 380 (3-4), pp. 442-452.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0039070430&doi=10.1016%2f0370-2693%2896%2900659-4&partnerID=40&md5=9e9e8333ef82291b6cb25b649b07ecc6>

Measurement of hadron and lepton-pair production from e^+e^- annihilation at centre-of-mass energies of 130 and 136 GeV

(1996) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 378 (1-4), pp. 373-384.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0040740714&doi=10.1016%2f0370-2693%2896%2900504-7&partnerID=40&md5=e35d73da758297040406ab1713eb4ea>

Study of the $B_0 \rightarrow sB_0$ oscillation frequency using $D^0 - \bar{D}^0$ combinations in Z decays

(1996) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 377 (1-3), pp. 205-221.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0041687138&doi=10.1016%2f0370-2693%2896%2900451-0&partnerID=40&md5=d589df7f4b477b498d76c7e4ca6ff519>

Measurement of polarization from Z decays

(1996) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 374 (4), pp. 319-330.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-4244028997&doi=10.1016%2f0370-2693%2896%2900300-0&partnerID=40&md5=61b70e4a8a90a541d578e23cb90923b>

Search for supersymmetric particles in e^+e^- collisions at centre-of-mass energies of 130 and 136 GeV

(1996) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 373 (1-3), pp. 246-260.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0010887819&doi=10.1016%2f0370-2693%2896%2900182-7&partnerID=40&md5=4f25b24b4692613f9f7768b3873cd3e9>

A precise measurement of the average b hadron lifetime

(1996) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 369 (2), pp. 151-162.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0013546481&doi=10.1016%2f0370-2693%2896%2901586-8&partnerID=40&md5=c59e9fd99267c77675b36137d9503194>

Measurement of the b polarization in Z decays

(1996) *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 365 (1-4), pp. 437-447.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0348084498&doi=10.1016%2f0370-2693%2895%2901433-0&partnerID=40&md5=2203ac4996fec1bf4592161ad1417e9d)

[s2.0-0348084498&doi=10.1016%2f0370-2693%2895%2901433-0&partnerID=40&md5=2203ac4996fec1bf4592161ad1417e9d](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0348084498&doi=10.1016%2f0370-2693%2895%2901433-0&partnerID=40&md5=2203ac4996fec1bf4592161ad1417e9d)

Measurement of the lepton lifetime

(1996) *Zeitschrift für Physik C-Particles and Fields*, 70 (4), pp. 549-559.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-33750657574&partnerID=40&md5=74c2678cd4a925b694632966444a3852)

[s2.0-33750657574&partnerID=40&md5=74c2678cd4a925b694632966444a3852](https://www.scopus.com/inward/record.uri?eid=2-s2.0-33750657574&partnerID=40&md5=74c2678cd4a925b694632966444a3852)

Tau leptonic branching ratios

(1996) *Zeitschrift für Physik C-Particles and Fields*, 70 (4), pp. 561-577.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0013530578&partnerID=40&md5=6241f9ea247dd415f29ecb568b2c2bdb)

[s2.0-0013530578&partnerID=40&md5=6241f9ea247dd415f29ecb568b2c2bdb](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0013530578&partnerID=40&md5=6241f9ea247dd415f29ecb568b2c2bdb)

Improved measurement of the B_0 and B^+ meson lifetimes

(1996) *Zeitschrift für Physik C-Particles and Fields*, 71 (1), pp. 31-44.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0002254929&doi=10.1007%2fBF02906958&partnerID=40&md5=0191602025f01208f8e0dedc4ec91687)

[s2.0-0002254929&doi=10.1007%2fBF02906958&partnerID=40&md5=0191602025f01208f8e0dedc4ec91687](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0002254929&doi=10.1007%2fBF02906958&partnerID=40&md5=0191602025f01208f8e0dedc4ec91687)

Tau hadronic branching ratios

(1996) *Zeitschrift für Physik C-Particles and Fields*, 70 (4), pp. 579-608.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0000912221&partnerID=40&md5=715d088f2efa420f224b204b072986a2>

Four-jet final state production in e^+e^- collisions at centre-of-mass energies of 130 and 136 GeV

(1996) *Zeitschrift für Physik C-Particles and Fields*, 71 (2), pp. 179-197.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0642301142&partnerID=40&md5=1775a4503c06c82081240d180d641f9f)

[s2.0-0642301142&partnerID=40&md5=1775a4503c06c82081240d180d641f9f](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0642301142&partnerID=40&md5=1775a4503c06c82081240d180d641f9f)

Determination of $\sin^2 \theta_w$ eff using jet charge measurements in hadronic Z decays

(1996) *Zeitschrift für Physik C-Particles and Fields*, 71 (3), pp. 357-378.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0040543018&doi=10.1007%2fBF02906996&partnerID=40&md5=8d779c3bc75086966b635309866da1d9)

[s2.0-0040543018&doi=10.1007%2fBF02906996&partnerID=40&md5=8d779c3bc75086966b635309866da1d9](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0040543018&doi=10.1007%2fBF02906996&partnerID=40&md5=8d779c3bc75086966b635309866da1d9)

Measurement of the B_s 0 lifetime and production rate with $D_s^- +$ combinations in Z decays

(1995) *Physics Letters B*, 361 (1-4), pp. 221-233.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-0013477096&doi=10.1016%2f0370-2693%2895%2901173-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0013477096&doi=10.1016%2f0370-2693%2895%2901173-N&partnerID=40&md5=5c5bfa00a50b4f71ffc47d4109c5a5e4)

[N&partnerID=40&md5=5c5bfa00a50b4f71ffc47d4109c5a5e4](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0013477096&doi=10.1016%2f0370-2693%2895%2901173-N&partnerID=40&md5=5c5bfa00a50b4f71ffc47d4109c5a5e4)

A measurement of $|V_{cb}|$ from $B_0 \rightarrow D^{*+} \dots$

(1995) *Physics Letters B*, 359 (1-2), pp. 236-248.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-0347798827&doi=10.1016%2f0370-2693%2895%2901021-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0347798827&doi=10.1016%2f0370-2693%2895%2901021-H&partnerID=40&md5=fd73c756ee8d1942072a6cf7f4b5e287)

[H&partnerID=40&md5=fd73c756ee8d1942072a6cf7f4b5e287](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0347798827&doi=10.1016%2f0370-2693%2895%2901021-H&partnerID=40&md5=fd73c756ee8d1942072a6cf7f4b5e287)

Measurements of the b baryon lifetime

(1995) *Physics Letters B*, 357 (4), pp. 685-698.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-0000717472&doi=10.1016%2f0370-2693%2895%2900980-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0000717472&doi=10.1016%2f0370-2693%2895%2900980-Y&partnerID=40&md5=816f33bfc172f6d934b0a9e5bc2792f7)

[Y&partnerID=40&md5=816f33bfc172f6d934b0a9e5bc2792f7](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0000717472&doi=10.1016%2f0370-2693%2895%2900980-Y&partnerID=40&md5=816f33bfc172f6d934b0a9e5bc2792f7)

Measurement of the effective b quark fragmentation function at the Z resonance

(1995) *Physics Letters B*, 357 (4), pp. 699-714.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-4243428179&doi=10.1016%2f0370-2693%2895%2900988-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-4243428179&doi=10.1016%2f0370-2693%2895%2900988-W&partnerID=40&md5=d8698ebe3a39a6dfa74ae045bf34ba93)

[W&partnerID=40&md5=d8698ebe3a39a6dfa74ae045bf34ba93](https://www.scopus.com/inward/record.uri?eid=2-s2.0-4243428179&doi=10.1016%2f0370-2693%2895%2900988-W&partnerID=40&md5=d8698ebe3a39a6dfa74ae045bf34ba93)

Measurement of s from scaling violations in fragmentation functions in e^+e^- annihilation

(1995) *Physics Letters B*, 357 (3), pp. 487-499.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-0011003851&doi=10.1016%2f0370-2693%2895%2900917-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0011003851&doi=10.1016%2f0370-2693%2895%2900917-A&partnerID=40&md5=0ecec11938d36c74f296e110bd8c685)

[A&partnerID=40&md5=0ecec11938d36c74f296e110bd8c685](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0011003851&doi=10.1016%2f0370-2693%2895%2900917-A&partnerID=40&md5=0ecec11938d36c74f296e110bd8c685)

Inclusive \pm , K^\pm and {Mathematical expression} differential cross-sections at the Z resonance

(1995) *Zeitschrift für Physik C Particles and Fields*, 66 (3), pp. 355-365.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0001274652&doi=10.1007%2fBF01556360&partnerID=40&md5=7b39ad1eb5aee98d3faa2fc60cc4c676)

[s2.0-0001274652&doi=10.1007%2fBF01556360&partnerID=40&md5=7b39ad1eb5aee98d3faa2fc60cc4c676](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0001274652&doi=10.1007%2fBF01556360&partnerID=40&md5=7b39ad1eb5aee98d3faa2fc60cc4c676)

Limit on B_0 s oscillation using a jet charge method

(1995) *Physics Letters B*, 356 (2-3), pp. 409-422.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-4243492453&doi=10.1016%2f0370-2693%2895%2900823-4&partnerID=40&md5=4921518689d1d24f5e3a5790ce7d513c)

[s2.0-4243492453&doi=10.1016%2f0370-2693%2895%2900823-4&partnerID=40&md5=4921518689d1d24f5e3a5790ce7d513c](https://www.scopus.com/inward/record.uri?eid=2-s2.0-4243492453&doi=10.1016%2f0370-2693%2895%2900823-4&partnerID=40&md5=4921518689d1d24f5e3a5790ce7d513c)

Measurement of the $D^{*\pm}$ cross section in two photon collisions at LEP

(1995) *Physics Letters B*, 355 (3-4), pp. 595-605.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-13844324040&doi=10.1016%2f0370-2693%2895%2900758-D&partnerID=40&md5=4e4f5dbfe0e78bc18f244f613e6b17b7>

Test of the flavour independence of α_s

(1995) *Physics Letters B*, 355 (1-2), pp. 381-393.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0000039108&doi=10.1016%2f0370-2693%2895%2900713-U&partnerID=40&md5=47ca3d7c1240691ed6b4919c5a8ddb55>

The forward-backward asymmetry for charm quarks at the Z pole

(1995) *Physics Letters B*, 352 (3-4), pp. 479-486.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0347791730&doi=10.1016%2f0370-2693%2895%2900519-Q&partnerID=40&md5=6d71f8b8f93b3efb5d0937e06886e40d>

Performance of the ALEPH detector at LEP

(1995) *Nuclear Inst. and Methods in Physics Research, A*, 360 (3), pp. 481-506.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-4243470683&doi=10.1016%2f0168-9002%2895%2900138-7&partnerID=40&md5=283298c089f9ccf278461e22c073f203>

An upper limit for the neutrino mass from $\tau \rightarrow \mu \nu$ decays

(1995) *Physics Letters B*, 349 (4), pp. 585-596.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-4243452509&doi=10.1016%2f0370-2693%2895%2900248-J&partnerID=40&md5=c9cd658bf79bfed1c428128cb9a93e75>

Search for supersymmetric particles with R-parity violation in Z decays

(1995) *Physics Letters B*, 349 (1-2), pp. 238-252.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0004374899&doi=10.1016%2f0370-2693%2895%2900257-L&partnerID=40&md5=5ca8a584fc4efb6a9390e98af6d45971>

Search for CP violation in the decay $Z \rightarrow \tau^+ \tau^-$

(1995) *Physics Letters B*, 346 (3-4), pp. 371-378.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-5244319730&doi=10.1016%2f0370-2693%2895%2900093-Z&partnerID=40&md5=ced84f0de58f9bf1d3a8227032751ab8>

Study of the subjet structure of quark and gluon jets

(1995) *Physics Letters B*, 346 (3-4), pp. 389-398.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-4243417003&doi=10.1016%2f0370-2693%2895%2900037-L&partnerID=40&md5=c7b65028f80e13e3455fbd7efb8501f3>

Michel parameters and neutrino helicity from decay correlations in $Z \rightarrow \tau^+ \tau^-$

(1995) *Physics Letters B*, 346 (3-4), pp. 379-388.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0042862931&doi=10.1016%2f0370-2693%2895%2900107-V&partnerID=40&md5=9145555d42d293782de1609c66be9cf>

A study of $D^{*+} \rightarrow \tau^+ \nu$ production in semileptonic B decay

(1995) *Physics Letters B*, 345 (1), pp. 103-114.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0000809745&doi=10.1016%2f0370-2693%2894%2901585-Z&partnerID=40&md5=14f20df0e89c6b1446b0db244309b3ff>

Measurement of the $b \rightarrow c$ X branching ratio and an upper limit on $b \rightarrow s$

(1995) *Physics Letters B*, 343 (1-4), pp. 444-452.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0042818221&doi=10.1016%2f0370-2693%2894%2901584-Y&partnerID=40&md5=cca8942c3e1e8a3e0de58e3294e8ef2f>

Production of excited beauty states in Z decays

(1995) *Zeitschrift für Physik C: Particles and Fields*, 69 (1), pp. 393-404.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-33750819658&doi=10.1007%2fBF02907419&partnerID=40&md5=1bb86da5c5cd92ee7dc3dc8be1f96716>

Inclusive production of neutral vector mesons in hadronic Z decays

(1995) *Zeitschrift für Physik C: Particles and Fields*, 69 (1), pp. 379-392.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-57149129487&doi=10.1007%2fBF02907418&partnerID=40&md5=1414054baa87e137938f81096afb4935>

Measurement of $D_s^+ \rightarrow \tau^+ \nu$ meson production in Z decays and of the $B_s \rightarrow 0$ lifetime

(1995) *Zeitschrift für Physik C: Particles and Fields*, 69 (1), pp. 585-595.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0040381136&doi=10.1007%2fBF02907442&partnerID=40&md5=6b992ee4b05cc6d38eef4fc93d6b9626>

Improved tau polarisation measurement

(1995) *Zeitschrift für Physik C: Particles and Fields*, 69 (1), pp. 183-193.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-57149125862&doi=10.1007%2fBF02907399&partnerID=40&md5=701b8853c8332ada1d381b0c84cde8ce>

Measurements of the charged particle multiplicity distribution in restricted rapidity intervals

(1995) *Zeitschrift für Physik C: Particles and Fields*, 69 (1), pp. 15-25.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-57149143623&doi=10.1007%2fBF02907382&partnerID=40&md5=97b971000914d7985f090b9c1401243d>

First measurement of the quark-to-photon fragmentation function

(1995) *Zeitschrift für Physik C: Particles and Fields*, 69 (1), pp. 365-377.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-57149148157&doi=10.1007%2fBF02907417&partnerID=40&md5=b72a718f1f43134a0d2aaed4e233a9a0>

Study of the four-fermion final state at the Z resonance

(1995) *Zeitschrift für Physik C Particles and Fields*, 66 (1-2), pp. 3-18.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0002971957&doi=10.1007%2fBF01496576&partnerID=40&md5=156deb7ea9f86888666a69217fa85a03>

A measurement of AFB *b* in lifetime tagged heavy flavour Z decays

(1994) *Physics Letters B*, 335 (1), pp. 99-108.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0042862944&doi=10.1016%2f0370-2693%2894%2991564-4&partnerID=40&md5=4d415fd0978575286a1faef62ff732aa>

Observation of monojet events and tentative interpretation

(1994) *Physics Letters B*, 334 (1-2), pp. 244-252.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-4244069221&doi=10.1016%2f0370-2693%2894%2990619-X&partnerID=40&md5=dcf500065e9e5ff2bf2d750e0fbf2ac8>

*K*⁰ production in one-prong decays

(1994) *Physics Letters B*, 332 (1-2), pp. 219-227.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0000566898&doi=10.1016%2f0370-2693%2894%2990882-6&partnerID=40&md5=cd6941449a03d4eb950cef1c940da268>

One-prong decays into charged kaons

(1994) *Physics Letters B*, 332 (1-2), pp. 209-218.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-4243651450&doi=10.1016%2f0370-2693%2894%2990881-8&partnerID=40&md5=5b3064746e061ca618f7c9fa90d3d181>

An investigation of *B*_d⁰ and *B*_s⁰ oscillation

(1994) *Physics Letters B*, 322 (4), pp. 441-458.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-4243550588&doi=10.1016%2f0370-2693%2894%2991177-0&partnerID=40&md5=b1071e686bcc0dd521af2ecb35dad3c1>

Measurement of the *B*_s⁰ lifetime

(1994) *Physics Letters B*, 322 (3), pp. 275-286.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0041719573&doi=10.1016%2f0370-2693%2894%2991120-7&partnerID=40&md5=2435ffae0c7c4eae65389f4d4e8e48b8>

Correlation measurements in *Z*⁺ *Z*⁻ and the neutrino helicity

(1994) *Physics Letters B*, 321 (1-2), pp. 168-176.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-5544238239&doi=10.1016%2f0370-2693%2894%2990345-X&partnerID=40&md5=31bc6109af7fb761ab7bb07f82f1cf4a>

Production of charmed mesons in *Z* decays

(1994) *Zeitschrift für Physik C Particles and Fields*, 62 (1), pp. 1-14.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0009151783&doi=10.1007%2fBF01559519&partnerID=40&md5=afc5d177e500e6da4689ebd39db57723>

Heavy flavour production and decay with prompt leptons in the ALEPH detector

(1994) *Zeitschrift für Physik C Particles and Fields*, 62 (2), pp. 179-198.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0000929485&doi=10.1007%2fBF01560237&partnerID=40&md5=ca8c73c15957b5fb13b595b05cfa7766>

Z production cross sections and lepton pair forward-backward asymmetries

(1994) *Zeitschrift für Physik C Particles and Fields*, 62 (4), pp. 539-550.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-51249166776&doi=10.1007%2fBF01574159&partnerID=40&md5=e5ea7eac070c52e01b7601690e34634>

Production of *K*⁰ and *K*[±] in hadronic *Z* decays

(1994) *Zeitschrift für Physik C Particles and Fields*, 64 (3), pp. 361-373.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-34249773741&doi=10.1007%2fBF01560096&partnerID=40&md5=e1a43c10b876260417196c75b758ed01>

Measurement of the *b* hadron lifetime with the dipole method

(1993) *Physics Letters B*, 314 (3-4), pp. 459-470.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0010938537&doi=10.1016%2f0370-2693%2893%2991265-O&partnerID=40&md5=ae0b81e378caa52d7284861f4382413e>

A precise measurement of $Z \rightarrow b\bar{b}$ / Z hadrons

(1993) *Physics Letters B*, 313 (3-4), pp. 535-548.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0007910199&doi=10.1016%2f0370-2693%2893%2990028-G&partnerID=40&md5=33631220845ba0219fe52e1797dafb3b>

A direct measurement of the invisible width of the Z from single photon counting

(1993) *Physics Letters B*, 313 (3-4), pp. 520-534.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0008142435&doi=10.1016%2f0370-2693%2893%2990027-F&partnerID=40&md5=163ec2943e8b7156413f1f48ea7ba8d0>

Measurement of the ratio R_{bb} had using event shape variables

(1993) *Physics Letters B*, 313 (3-4), pp. 549-563.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0042863546&doi=10.1016%2f0370-2693%2893%2990029-H&partnerID=40&md5=b27510b33be18cb61893f6e969a6de75>

Observation of the time dependence of $B^0 \rightarrow d\bar{B}^0$ d mixing

(1993) *Physics Letters B*, 313 (3-4), pp. 498-508.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-4243566279&doi=10.1016%2f0370-2693%2893%2990025-D&partnerID=40&md5=ee4627741a156e6680600c3aac8d9f33>

An experimental study of B hadrons at LEP

(1993) *Physics Letters B*, 313 (3-4), pp. 509-519.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0040842151&doi=10.1016%2f0370-2693%2893%2990026-E&partnerID=40&md5=7c26a2a8e273469cf582010532c3db93>

Search for the standard model Higgs boson

(1993) *Physics Letters B*, 313 (1-2), pp. 299-311.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0642341853&doi=10.1016%2f0370-2693%2893%2991227-E&partnerID=40&md5=64cc34e98897f6aa01e07ee382bb8bd5>

Search for a non-minimal Higgs boson produced in the reaction $e^+e^- \rightarrow hZ^*$

(1993) *Physics Letters B*, 313 (1-2), pp. 312-325.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0042463894&doi=10.1016%2f0370-2693%2893%2991228-F&partnerID=40&md5=210bdd93b3e00553bb091eb12fe52d2b>

First measurement of the B_S meson mass

(1993) *Physics Letters B*, 311 (1-4), pp. 425-436.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-3042887206&doi=10.1016%2f0370-2693%2893%2990588-9&partnerID=40&md5=b2152b5986a21f12b86df5cf6f6bc549>

Search for high mass photon pairs in $e^+e^- \rightarrow f\bar{f}$ ($f = e, \mu, \tau, \nu, q$) at LEP

(1993) *Physics Letters B*, 308 (3-4), pp. 425-434.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0011690560&doi=10.1016%2f0370-2693%2893%2991308-A&partnerID=40&md5=dee834e919cf22f78042d3247356fbc2>

Measurement of the B^0 and B^- meson lifetimes

(1993) *Physics Letters B*, 307 (1-2), pp. 194-208.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0042041026&doi=10.1016%2f0370-2693%2893%2990211-Y&partnerID=40&md5=78b8e952f0e23be99919d996d532f8d5>

Measurement of the strong coupling constant using Z decays

(1993) *Physics Letters B*, 307 (1-2), pp. 209-220.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-1542616995&doi=10.1016%2f0370-2693%2893%2990212-Z&partnerID=40&md5=0c3908e353af152cc9d811ee345597e7>

Search for particles with unexpected mass and charge in Z decays

(1993) *Physics Letters B*, 303 (1-2), pp. 198-208.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0000925944&doi=10.1016%2f0370-2693%2893%2990066-Q&partnerID=40&md5=28868c877b6ca6bc89ceac18702c9618>

Measurement of the $b \rightarrow X$ branching ratio

(1993) *Physics Letters B*, 298 (3-4), pp. 479-491.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0347618657&doi=10.1016%2f0370-2693%2893%2991853-F&partnerID=40&md5=8237db760da01213b0b9919e93e378a9>

Update of electroweak parameters from Z decays

(1993) *Zeitschrift für Physik C Particles and Fields*, 60 (1), pp. 71-81.

<https://www.scopus.com/inward/record.uri?eid=2->

s2.0-51249170085&doi=10.1007%2fBF01650432&partnerID=40&md5=cd6995c5e8e81a53e9d1661ac470e759

Search for contact interactions in the reactions $e^+e^- \rightarrow l^+l^-$ and e^+e^-
(1993) *Zeitschrift für Physik C Particles and Fields*, 59 (2), pp. 215-229.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0011569280&doi=10.1007%2fBF01566686&partnerID=40&md5=3d4e88171a353df9ec63f153bf405e26>

Measurement of the tau polarisation at the Z resonance

(1993) *Zeitschrift für Physik C Particles and Fields*, 59 (3), pp. 369-386.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-51249165910&doi=10.1007%2fBF01498618&partnerID=40&md5=0a8e2c50cfea41fa7f7175c5064e053a>

Measurement of prompt photon production in hadronic Z decays

(1993) *Zeitschrift für Physik C Particles and Fields*, 57 (1), pp. 17-35.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0002381358&doi=10.1007%2fBF01555735&partnerID=40&md5=1c128ee402396a113b56d51d9cfd6e85>

Search for CP violation in $Z \rightarrow \mu^+\mu^-$

(1992) *Physics Letters B*, 297 (3-4), pp. 459-468.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-2442550973&doi=10.1016%2f0370-2693%2892%2991285-H&partnerID=40&md5=2bd109f8049de2c4df6b7987036de010>

A precise measurement of the lepton lifetime

(1992) *Physics Letters B*, 297 (3-4), pp. 432-448.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0011616989&doi=10.1016%2f0370-2693%2892%2991283-F&partnerID=40&md5=37f090111093e50c3bccdce95e7bba79>

A measurement of the b baryon lifetime

(1992) *Physics Letters B*, 297 (3-4), pp. 449-458.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0038980348&doi=10.1016%2f0370-2693%2892%2991284-G&partnerID=40&md5=97222c91aad5590f48055397a7072db9>

Measurements of mean lifetime and branching fractions of b hadrons decaying to J/ψ

(1992) *Physics Letters B*, 295 (3-4), pp. 396-408.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0040247714&doi=10.1016%2f0370-2693%2892%2991581-S&partnerID=40&md5=cdb9b3bd5b6c4afea78cc0ef04277477>

Updated measurement of the average b hadron lifetime

(1992) *Physics Letters B*, 295 (1-2), pp. 174-186.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0042721001&doi=10.1016%2f0370-2693%2892%2990108-G&partnerID=40&md5=cb1bbeb9c1a8e1438b09b781133c6ddb>

Observation of the semileptonic decays of B^0 and B^+ hadrons at LEP

(1992) *Physics Letters B*, 294 (1), pp. 145-156.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0010825114&doi=10.1016%2f0370-2693%2892%2991654-R&partnerID=40&md5=bae47c73c4a9bc664fcb022cc15b3cf0>

Measurement of the production rates of J/ψ and $\psi(2S)$ in hadronic Z decays

(1992) *Physics Letters B*, 292 (1-2), pp. 210-220.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0011033102&doi=10.1016%2f0370-2693%2892%2990633-F&partnerID=40&md5=a00cbfd0f5664e092447778a4c0acc4>

The gain monitoring system of the Aleph hadron calorimeter

(1992) *Nuclear Inst. and Methods in Physics Research*, A, 320 (1-2), pp. 177-182.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0026909610&doi=10.1016%2f0168-9002%2892%2990776-Z&partnerID=40&md5=429119f9bb905bb6b860d4ab71a3307d>

Search for a very light CP-odd neutral Higgs boson of the MSSM

(1992) *Physics Letters B*, 285 (3), pp. 309-318.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0007887401&doi=10.1016%2f0370-2693%2892%2991469-P&partnerID=40&md5=b3413d2b3050ac223221d170b0716ce2>

Evidence for the triple-gluon vertex from measurements of the QCD colour factors in Z decay into four jets

(1992) *Physics Letters B*, 284 (1-2), pp. 151-162.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0042789334&doi=10.1016%2f0370-2693%2892%2991941-2&partnerID=40&md5=19ac71174e373b69568f6dfd7f4a1d09>

Measurement of α_s in hadronic Z decays using all-orders resummed predictions

(1992) *Physics Letters B*, 284 (1-2), pp. 163-176.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-4243470836&doi=10.1016%2f0370-2693%2892%2991942-3&partnerID=40&md5=6a41d2da2088f6efee439198a99ce17c>

Measurement of B-B mixing at the Z using a jet-charge method
(1992) *Physics Letters B*, 284 (1-2), pp. 177-190.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0040926445&doi=10.1016%2f0370-2693%2892%2991943-4&partnerID=40&md5=e57efab0790b29da2126e107f45b0f3b>

Measurement of the tau lepton lifetime
(1992) *Physics Letters B*, 279 (3-4), pp. 411-421.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0001621881&doi=10.1016%2f0370-2693%2892%2990413-X&partnerID=40&md5=72b574fcd9c43066f9adb4ba1a63ba2>

Evidence for b baryons in Z decays
(1992) *Physics Letters B*, 278 (1-2), pp. 209-216.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0013477536&doi=10.1016%2f0370-2693%2892%2990736-N&partnerID=40&md5=5660937a13fc3e9c1911f80d4093d8b2>

A statistical hadron shower parametrization for sampling calorimeters
(1992) *Nuclear Inst. and Methods in Physics Research, A*, 311 (1-2), pp. 122-129.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-44049123764&doi=10.1016%2f0168-9002%2892%2990857-Z&partnerID=40&md5=5377c93af58f4904c81edf2f5d635e9c>

Measurement of Tau branching ratios
(1992) *Zeitschrift für Physik C Particles and Fields*, 54 (2), pp. 211-228.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0001717381&doi=10.1007%2fBF01566649&partnerID=40&md5=b7bdf9cfa65915bd0ad2416aee8b8b87>

A study of Bose-Einstein correlations in e+e- annihilation at 91 GeV
(1992) *Zeitschrift für Physik C Particles and Fields*, 54 (1), pp. 75-85.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-34249839106&doi=10.1007%2fBF01881709&partnerID=40&md5=4d1f0be82a5ac1034eb7bf3c1f5fd87d>

Improved measurements of electroweak parameters from Z decays into fermion pairs
(1992) *Zeitschrift für Physik C Particles and Fields*, 53 (1), pp. 1-20.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-51249162351&doi=10.1007%2fBF01483868&partnerID=40&md5=0c2818e30f761f9524a638965246bf45>

An investigation into intermittency
(1992) *Zeitschrift für Physik C Particles and Fields*, 53 (1), pp. 21-32.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0002056585&doi=10.1007%2fBF01483869&partnerID=40&md5=94f0f65b7df11bdafeeb643cdc4fda72>

Measurement of the absolute luminosity with the ALEPH detector
(1992) *Zeitschrift für Physik C Particles and Fields*, 53 (3), pp. 375-390.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0009104890&doi=10.1007%2fBF01625896&partnerID=40&md5=624c7e65cbcadb63cc42a606c9b8341e>

Properties of hadronic Z decays and test of QCD generators
(1992) *Zeitschrift für Physik C Particles and Fields*, 55 (2), pp. 209-234.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0010324215&doi=10.1007%2fBF01482583&partnerID=40&md5=64c9ba6b01446b6278c79e256e530fb3>

Measurement of the charged particle multiplicity distribution in hadronic Z decays
(1991) *Physics Letters B*, 273 (1-2), pp. 181-192.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-13744264321&doi=10.1016%2f0370-2693%2891%2990575-B&partnerID=40&md5=c671107e9067bb0c0ab10b01a5cf3f7e>

Production and decay of charmed mesons at the Z resonance
(1991) *Physics Letters B*, 266 (1-2), pp. 218-230.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0000069045&doi=10.1016%2f0370-2693%2891%2990769-M&partnerID=40&md5=2cec7d90ee24cc0bde7291dc490d227e>

Measurement of the polarization of leptons produced in Z decays
(1991) *Physics Letters B*, 265 (3-4), pp. 430-444.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0038901452&doi=10.1016%2f0370-2693%2891%2990079-6&partnerID=40&md5=f9ea008a9cb6a19f92466e5ed2b64473>

Search for the neutral Higgs bosons of the MSSM and other two-doublet models
(1991) *Physics Letters B*, 265 (3-4), pp. 475-486.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0011693802&doi=10.1016%2f0370-2693%2891%2990083-3&partnerID=40&md5=d3cb0ba1fb3738648f32786f84700df1>

Measurement of isolated photon production in hadronic Z decays
(1991) *Physics Letters B*, 264 (3-4), pp. 476-486.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0000495970&doi=10.1016%2f0370-2693%2891%2990380-9&partnerID=40&md5=6d38080fc8b4827c7e963e7d4951c16a>

Measurement of the forward-backward asymmetry in $Z \rightarrow b\bar{b}$ and $Z \rightarrow c\bar{c}$

(1991) *Physics Letters B*, 263 (2), pp. 325-336.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0005484944&doi=10.1016%2f0370-2693%2891%2990607-R&partnerID=40&md5=e3e668c87c9475bc215c9b5959724307>

Charged particle pair production associated with a lepton pair in Z decays. indication of an excess in the tau channel (1991) *Physics Letters B*, 263 (1), pp. 112-122.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0001167329&doi=10.1016%2f0370-2693%2891%2991716-9&partnerID=40&md5=04e93a206ed35297e7297d8c417c84bc>

Search for a new weakly interacting particle

(1991) *Physics Letters B*, 262 (1), pp. 139-147.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-13844317132&doi=10.1016%2f0370-2693%2891%2990657-C&partnerID=40&md5=f395b83637405acac196e83f6e040004>

Measurement of charge asymmetry in hadronic Z decays

(1991) *Physics Letters B*, 259 (3), pp. 377-388.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0000172303&doi=10.1016%2f0370-2693%2891%2990844-G&partnerID=40&md5=b403560e47f2219c7f3ee3d704c29243>

Measurement of B - B mixing at the Z

(1991) *Physics Letters B*, 258 (1-2), pp. 236-246.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-13744264339&doi=10.1016%2f0370-2693%2891%2991239-R&partnerID=40&md5=2760c196692eb00c6c16fd1b89c093f7>

Measurement of s from the structure of particle clusters produced in hadronic Z decays

(1991) *Physics Letters B*, 257 (3-4), pp. 479-491.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0043270125&doi=10.1016%2f0370-2693%2891%2991926-M&partnerID=40&md5=a1663a1740bb80f2dc218ac4fd910bbf>

Measurement of the B hadron lifetime

(1991) *Physics Letters B*, 257 (3-4), pp. 492-504.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-13844311591&doi=10.1016%2f0370-2693%2891%2991927-N&partnerID=40&md5=fc834bee48940e99f2e37162f5c63c2d>

Measurement of the strong coupling constant s from global event-shape variables of hadronic Z decays

(1991) *Physics Letters B*, 255 (4), pp. 623-633.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0011574732&doi=10.1016%2f0370-2693%2891%2990278-X&partnerID=40&md5=73c462350e5bf41599e8271a1649c421>

The ALEPH hadron calorimeter strip readout scanner

(1990) *Nuclear Inst. and Methods in Physics Research, A*, 297 (3), pp. 390-395.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-26544444486&doi=10.1016%2f0168-9002%2890%2991320-B&partnerID=40&md5=5417dc68c740370332587ec86ce18f0>

Search for excited neutrinos in Z decay

(1990) *Physics Letters B*, 250 (1-2), pp. 172-182.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0040723945&doi=10.1016%2f0370-2693%2890%2991174-A&partnerID=40&md5=88a59916b70361ba9a1cdd77863eda32>

ALEPH: A detector for electron-positron annihilations at LEP

(1990) *Nuclear Inst. and Methods in Physics Research, A*, 294 (1-2), pp. 121-178.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-33845287777&doi=10.1016%2f0168-9002%2890%2991831-U&partnerID=40&md5=ec4b5eac73bfa5c9a7b00987880fec2f>

Measurement of electroweak parameters from Z decays into fermion pairs

(1990) *Zeitschrift für Physik C Particles and Fields*, 48 (3), pp. 365-391.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-51249178464&doi=10.1007%2fBF01572019&partnerID=40&md5=faecd6421351efa94d299c40ce6be7c9>

Searches for the standard Higgs boson

(1990) *Physics Letters B*, 246 (1-2), pp. 306-314.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0000851944&doi=10.1016%2f0370-2693%2890%2991349-G&partnerID=40&md5=d6beea0c6d0627ad540fba0da9fe8bd0>

Search for a very light Higgs boson in Z decays

(1990) *Physics Letters B*, 245 (2), pp. 289-297.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0040670226&doi=10.1016%2f0370-2693%2890%2990148-Y&partnerID=40&md5=4f6f38f1d9d1bd2db8e93bcf981774fb>

Search for neutralino production in Z decays

(1990) *Physics Letters B*, 244 (3-4), pp. 541-550.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-7244243453&doi=10.1016%2f0370-2693%2890%2990361-9&partnerID=40&md5=6aa7fced3cdfc8c5f4f496210bcb92d5)

[s2.0-7244243453&doi=10.1016%2f0370-2693%2890%2990361-9&partnerID=40&md5=6aa7fced3cdfc8c5f4f496210bcb92d5](https://www.scopus.com/inward/record.uri?eid=2-s2.0-7244243453&doi=10.1016%2f0370-2693%2890%2990361-9&partnerID=40&md5=6aa7fced3cdfc8c5f4f496210bcb92d5)

Heavy flavour production in Z decays

(1990) *Physics Letters B*, 244 (3-4), pp. 551-565.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-0001387123&doi=10.1016%2f0370-2693%2890%2990362-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0001387123&doi=10.1016%2f0370-2693%2890%2990362-A&partnerID=40&md5=4ab25602123fd5dcc0a1f7f9c785e071)

[A&partnerID=40&md5=4ab25602123fd5dcc0a1f7f9c785e071](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0001387123&doi=10.1016%2f0370-2693%2890%2990362-A&partnerID=40&md5=4ab25602123fd5dcc0a1f7f9c785e071)

Hadron showers in an iron-streamer tube sampling calorimeter

(1990) *Nuclear Inst. and Methods in Physics Research, A*, 292 (1), pp. 97-112.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-45149136938&doi=10.1016%2f0168-9002%2890%2991737-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-45149136938&doi=10.1016%2f0168-9002%2890%2991737-V&partnerID=40&md5=47be2d5b0c3e677f823c6898cc2b1bc1)

[V&partnerID=40&md5=47be2d5b0c3e677f823c6898cc2b1bc1](https://www.scopus.com/inward/record.uri?eid=2-s2.0-45149136938&doi=10.1016%2f0168-9002%2890%2991737-V&partnerID=40&md5=47be2d5b0c3e677f823c6898cc2b1bc1)

A search for pair-produced charged Higgs bosons in Z0 decays

(1990) *Physics Letters B*, 241 (4), pp. 623-634.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-0007978271&doi=10.1016%2f0370-2693%2890%2991882-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0007978271&doi=10.1016%2f0370-2693%2890%2991882-C&partnerID=40&md5=d222051e756766cf66be09cd9f0eba86)

[C&partnerID=40&md5=d222051e756766cf66be09cd9f0eba86](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0007978271&doi=10.1016%2f0370-2693%2890%2991882-C&partnerID=40&md5=d222051e756766cf66be09cd9f0eba86)

Search for decays of the Z0 into a photon and a pseudoscalar meson

(1990) *Physics Letters B*, 241 (4), pp. 635-643.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-13644262173&doi=10.1016%2f0370-2693%2890%2991883-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-13644262173&doi=10.1016%2f0370-2693%2890%2991883-D&partnerID=40&md5=3fa14cfad13791efcbeb7513c96c7d74)

[D&partnerID=40&md5=3fa14cfad13791efcbeb7513c96c7d74](https://www.scopus.com/inward/record.uri?eid=2-s2.0-13644262173&doi=10.1016%2f0370-2693%2890%2991883-D&partnerID=40&md5=3fa14cfad13791efcbeb7513c96c7d74)

Search for the neutral Higgs Boson from Z0 decay in the Higgs mass range between 11 and 24 GeV

(1990) *Physics Letters B*, 241 (1), pp. 141-149.

[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0039484925&doi=10.1016%2f0370-2693%2890%2991501-2&partnerID=40&md5=aeb6f133f0f55279b145452d12379a61)

[s2.0-0039484925&doi=10.1016%2f0370-2693%2890%2991501-2&partnerID=40&md5=aeb6f133f0f55279b145452d12379a61](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0039484925&doi=10.1016%2f0370-2693%2890%2991501-2&partnerID=40&md5=aeb6f133f0f55279b145452d12379a61)

Search for neutral Higgs bosons from supersymmetry in Z decays

(1990) *Physics Letters B*, 237 (2), pp. 291-302.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-0040076715&doi=10.1016%2f0370-2693%2890%2991447-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0040076715&doi=10.1016%2f0370-2693%2890%2991447-J&partnerID=40&md5=a1c6aad0e43ab957842b9c8136ead61d)

[J&partnerID=40&md5=a1c6aad0e43ab957842b9c8136ead61d](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0040076715&doi=10.1016%2f0370-2693%2890%2991447-J&partnerID=40&md5=a1c6aad0e43ab957842b9c8136ead61d)

Search for excited leptons in Z0 decay

(1990) *Physics Letters B*, 236 (4), pp. 501-510.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-0005716738&doi=10.1016%2f0370-2693%2890%2990391-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0005716738&doi=10.1016%2f0370-2693%2890%2990391-I&partnerID=40&md5=211a3335c8aa82f4924f781c8563e8eb)

[I&partnerID=40&md5=211a3335c8aa82f4924f781c8563e8eb](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0005716738&doi=10.1016%2f0370-2693%2890%2990391-I&partnerID=40&md5=211a3335c8aa82f4924f781c8563e8eb)

A search for new quarks and leptons from Z0 decay at LEP

(1990) *Physics Letters B*, 236 (4), pp. 511-522.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-0005681701&doi=10.1016%2f0370-2693%2890%2990392-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0005681701&doi=10.1016%2f0370-2693%2890%2990392-J&partnerID=40&md5=fac77fdc61788234d0ae9796d965f6a3)

[J&partnerID=40&md5=fac77fdc61788234d0ae9796d965f6a3](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0005681701&doi=10.1016%2f0370-2693%2890%2990392-J&partnerID=40&md5=fac77fdc61788234d0ae9796d965f6a3)

Search for the neutral Higgs boson from Z0 decay

(1990) *Physics Letters B*, 236 (2), pp. 233-244.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-4043177129&doi=10.1016%2f0370-2693%2890%2990834-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-4043177129&doi=10.1016%2f0370-2693%2890%2990834-S&partnerID=40&md5=6b78f68e92b4b04a3f4ccdf44ffc5a51)

[S&partnerID=40&md5=6b78f68e92b4b04a3f4ccdf44ffc5a51](https://www.scopus.com/inward/record.uri?eid=2-s2.0-4043177129&doi=10.1016%2f0370-2693%2890%2990834-S&partnerID=40&md5=6b78f68e92b4b04a3f4ccdf44ffc5a51)

Search for supersymmetric particles using acoplanar charged-particle pairs from Z0 decays

(1990) *Physics Letters B*, 236 (1), pp. 86-94.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-0010797158&doi=10.1016%2f0370-2693%2890%2990600-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0010797158&doi=10.1016%2f0370-2693%2890%2990600-B&partnerID=40&md5=887d76d1281900567e9d6e327df7ac78)

[B&partnerID=40&md5=887d76d1281900567e9d6e327df7ac78](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0010797158&doi=10.1016%2f0370-2693%2890%2990600-B&partnerID=40&md5=887d76d1281900567e9d6e327df7ac78)

A precise determination of the number of families with light neutrinos and of the Z boson partial widths

(1990) *Physics Letters B*, 235 (3-4), pp. 399-411.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-3943070974&doi=10.1016%2f0370-2693%2890%2991984-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-3943070974&doi=10.1016%2f0370-2693%2890%2991984-J&partnerID=40&md5=95fbf369f87edecfadabcb7981d4ba62)

[J&partnerID=40&md5=95fbf369f87edecfadabcb7981d4ba62](https://www.scopus.com/inward/record.uri?eid=2-s2.0-3943070974&doi=10.1016%2f0370-2693%2890%2991984-J&partnerID=40&md5=95fbf369f87edecfadabcb7981d4ba62)

Determination of the leptonic branching ratios of the Z

(1990) *Physics Letters B*, 234 (3), pp. 399-408.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-0001058713&doi=10.1016%2f0370-2693%2890%2991949-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0001058713&doi=10.1016%2f0370-2693%2890%2991949-C&partnerID=40&md5=032bd2cae3cf2d5a3bb38793be2290d6)

[C&partnerID=40&md5=032bd2cae3cf2d5a3bb38793be2290d6](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0001058713&doi=10.1016%2f0370-2693%2890%2991949-C&partnerID=40&md5=032bd2cae3cf2d5a3bb38793be2290d6)

Properties of hadronic events in e+e- annihilation at s=91 GeV

(1990) *Physics Letters B*, 234 (1-2), pp. 209-218.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-0642368451&doi=10.1016%2f0370-2693%2890%2992030-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0642368451&doi=10.1016%2f0370-2693%2890%2992030-M&partnerID=40&md5=80396f64a98f0101b53ae9b1f6fff423)

[M&partnerID=40&md5=80396f64a98f0101b53ae9b1f6fff423](https://www.scopus.com/inward/record.uri?eid=2-s2.0-0642368451&doi=10.1016%2f0370-2693%2890%2992030-M&partnerID=40&md5=80396f64a98f0101b53ae9b1f6fff423)

The combined response of the ALEPH electromagnetic and hadronic calorimeter to pions

(1990) *Nuclear Inst. and Methods in Physics Research, A*, 286 (1-2), pp. 61-68.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0025228189&doi=10.1016%2f0168-9002%2890%2990207-M&partnerID=40&md5=a2c5b903a567e41e9ddb1aba39f74070>

Determination of the number of light neutrino species

(1989) *Physics Letters B*, 231 (4), pp. 519-529.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-26144467811&doi=10.1016%2f0370-2693%2889%2990704-1&partnerID=40&md5=a9978190753788898d5a51e2f4842ac>

Operation of limited streamer tubes with the gas mixture Ar + CO₂ + n-pentane

(1988) *Nuclear Inst. and Methods in Physics Research, A*, 268 (1), pp. 144-150.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0024016876&doi=10.1016%2f0168-9002%2888%2990599-2&partnerID=40&md5=3e98a8a81c44c64ab5dd8aff22badab4>

A measurement of D0 lifetime

(1988) *EPL*, 5 (5), pp. 407-412.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84913147592&doi=10.1209%2f0295-5075%2f5%2f5%2f005&partnerID=40&md5=9c72e0144ede01d280387eb2f4b7be3b>

Monte Carlo simulation of the ALEPH hadron prototype calorimeter

(1988) *Nuclear Inst. and Methods in Physics Research, A*, 271 (3), pp. 449-454.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0024087079&doi=10.1016%2f0168-9002%2888%2990304-X&partnerID=40&md5=68406c83b5ec1116b00bfe2f217f4c03>

c Photoproduction and lifetime measurement

(1987) *Zeitschrift für Physik C Particles and Fields*, 36 (4), pp. 513-516.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0010930306&doi=10.1007%2fBF01630588&partnerID=40&md5=58f24b503109c35d2bc87ff4a9ea78ff>

First measurement of the reaction $e^-e^+ \rightarrow 0e$

(1985) *Physics Letters B*, 155 (5-6), pp. 457-460.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0000349082&doi=10.1016%2f0370-2693%2885%2991603-X&partnerID=40&md5=da8ff9c163ba507974d8edff382d91c3>

High resolution silicon detectors for colliding beam physics

(1984) *Nuclear Inst. and Methods in Physics Research, A*, 226 (1), pp. 82-84.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0040295761&doi=10.1016%2f0168-9002%2884%2990171-2&partnerID=40&md5=01264495476fd65e0a7c0a39174bb07c>

Germanium microstrip detectors with 50 and 100 μ m pitch

(1984) *Nuclear Inst. and Methods in Physics Research, A*, 226 (1), pp. 117-121.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-48549113093&doi=10.1016%2f0168-9002%2884%2990178-5&partnerID=40&md5=1719cd63b1f8b80fa84fdc9372ec3b2c>

A 50 microns granularity monolithic Ge target

(1984) *IEEE Transactions on Nuclear Science*, 31 (2), pp. 945-948.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0021407484&doi=10.1109%2fTNS.1984.4333403&partnerID=40&md5=f223682488f8e0a139df483f96a3d8a3>

HIGH RESOLUTION SILICON DETECTORS FOR COLLIDING BEAM PHYSICS.

(1983) *Nuclear instruments and methods in physics research*, 226 (1), pp. 82-84.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-0020808926&partnerID=40&md5=ac97e264c1d301b290afc2ddcc27319c>

ATTIVITA' SCIENTIFICHE

Giuseppe Raso si è laureato in Fisica all'Università di Catania nel 1981 con una tesi in fisica nucleare. Ha iniziato la sua attività di ricerca nel Dicembre 1982 presso la sezione INFN di Pisa all'interno della collaborazione internazionale FRAMM, partecipando all'esperimento NA1 al CERN sulla fisica delle particelle.

Dal 1984 al 1987 ha svolto la sua attività di ricerca presso il L.A.L. di Orsay (Francia) con un contratto del CNRS(1984) e dell'IN2P3(1985-1987). In tale periodo è entrato nella collaborazione ALEPH, uno dei 4 esperimenti a LEP, l'acceleratore e+e- sito al CERN e funzionante dal 1989. In questo esperimento hanno collaborato più di 400 fisici provenienti da 30 Istituti e Università di tutto il mondo ed il suo scopo principale è stato la verifica del Modello Standard. Il rivelatore ALEPH, insieme agli altri 3 rivelatori a LEP, ha rappresentato uno degli apparati più complessi esistenti al mondo per lo studio della fisica delle particelle.

Nel Gennaio 1987 Giuseppe Raso ha continuato la sua attività di ricerca nella componente italiana di ALEPH, come Ricercatore di fascia iniziale presso l'INFN, sezione di Bari. In ALEPH si è occupato di: Calorimetria Elettromagnetica e Adronica, Decadimenti del mesone B, Cromo Dinamica Quantistica, Miniverbice con rivelatori al Silicio; assumendo incarichi di coordinamento e responsabilità in vari settori.

Negli anni 1998 e 1999 inoltre ha fatto parte della collaborazione CMS, uno dei due esperimenti sulla fisica delle particelle che

entreranno in funzione nel 2008 a LHC(CERN), occupandosi del tracking centrale con rivelatori al Silicio.

Nel Novembre 1999 è stato nominato Professore Associato, quale vincitore di concorso, presso la Facoltà di Ingegneria dell'Università di Palermo, nel S.S.D. FIS01 (Fisica Sperimentale). Da allora svolge la sua attività di ricerca presso il Dipartimento di Fisica e Tecnologie Relative dell'Università di Palermo. Ha partecipato agli esperimenti CALMA, GPCALMA e FLUXEN finanziati dall'INFN.

Dal Gennaio 2005 al Dicembre 2007 Professore Straordinario e dal Gennaio 2008 Professore Ordinario nel S.S.D FIS07 (Fisica Applicata) presso la Facoltà di Ingegneria dell'Università di Palermo. Attualmente si occupa di Fisica Medica presso il Dipartimento di Fisica; tra le principali attività di ricerca più recenti si segnalano:

- Progetto INTERREG V-A ItaliaMalta I.T.A.M.A. finanziato dalla CE. Il prof. Raso è il Coordinatore Scientifico del progetto finanziato nel bando 2014-2020, Il progetto prevede, nell'ambito della diagnosi per la celiachia, la costruzione di un database di metadati, lo screening su 22000 bambini in Sicilia e Malta, la validazione di test innovativi e non invasivi, lo sviluppo di un DSS. Partner del progetto: UNIPA-DiFC (capofila), Università di Messina, Mater Dei Hospital-Ministero delle Salute Malta, AcrossLimits srl Malta, Assessorato Salute Reg. Sicilia.
- Progetto ENPI IT-TU A.I.D.A. finanziato dalla CE. Il prof. Raso è il Coordinatore Scientifico del progetto strategico finanziato nel bando ENPI IT-TU 2007-2013, Il progetto prevede tra l'altro la costruzione di un database di immagini IFI per la diagnosi della Malattie Autoimmuni. Partner del progetto: UNIPA-Polo AG (capofila), Assessorato Salute Reg. Sicilia, ASP TP, Prov. AG, Università EL Manar Tunisi, Ist. Pasteur Tunisi, Osp. Chrales Nicolle Tunisi, Ministero Sanità Tunisia.
- Esperimento MAGIC-5, finanziato dall'INFN, in collaborazione con alcuni enti ospedalieri italiani tra i quali l'Istituto di Radiologia del Policlinico di Palermo, per lo sviluppo di un sistema di classificazione e diagnostica automatica di mammogrammi digitalizzati, basato su tecniche di Intelligenza Artificiale.
- Esperimento XPRESS, finanziato dall'INFN, il cui obiettivo è la realizzazione di un sistema portatile in grado di fornire un'esatta ricostruzione spettrale della radiazione emessa dai tubi utilizzati dai sistemi radiografici, insieme ad un software dedicato in grado di fornire una caratterizzazione assoluta delle proprietà di imaging di tali sistemi.
- Nell'ambito del progetto "BCNanoLab - Regione Siciliana" si è occupato dello studio e sviluppo di micro rivelatori per la diagnostica in ambito ambientale, Beni Culturali e medico. In tale contesto è il responsabile del Laboratorio "Camera Pulita" del Di.F.Te.R. di cui ha curato la realizzazione e la messa a punto. È stato il responsabile del Laboratorio di Fisica del Sistema di Laboratori di Ateneo (UniNetLab), finanziato con la misura 3.15 del POR Sicilia. Tale laboratorio è ora attrezzato con strumentazione portatile, adatto a misure anche in situ di Beni Culturali, quali la LIBS, la NMR e la XRF.
- Progetto TRIGRID per la realizzazione di una rete GRID tra Università e imprese in Sicilia.

È stato il referente per il Di.F.Te.R. nel rapporto di collaborazione con il Centro Regionale per la Progettazione ed il Restauro della Regione Siciliana.

Ha pubblicato, insieme ad altri colleghi, più di 300 articoli su riviste internazionali. Le sue competenze maturate nel corso della sua attività di ricerca sono: esperienza con rivelatori a fili e a semiconduttore, analisi dei dati, analisi di immagini.

Il prof. Raso è inoltre tra i fondatori della MEDICAD srl (ora CyclopusCAD srl), società di Spin Off Accademico dell'Università di Palermo. La CyclopusCAD, nata nel Gennaio 2007, è una start-up di carattere scientifico operante nel medical IT, il cui primo obiettivo è fornire strumenti di diagnosi per l'identificazione precoce di patologie tumorali da immagini mediche. La società, attualmente con sede presso l'Incubatore d'Imprese ARCA, conta sul know-how e sull'esperienza nel Medical Imaging di un team interdisciplinare di fisici, ingegneri e radiologi con anni di partecipazione in progetti di ricerca scientifica. Attualmente è il Principal Investigator del progetto I.T.A.M.A. finanziato nell'ambito del bando INTERREG V-A ItaliaMalta 2014-2020.

AMBITI DI RICERCA

- Fisica Applicata alla Medicina
- Analisi di immagini biomedicali
- Sistemi esperti e Computer Aided Detection
- Trasferimento Tecnologico

ALTRE ATTIVITA

Riconoscimenti e premi

- Inserito nella Top Italian Scientists List della VIA-Academy.
- Vincitore del premio start cup nel 2006 presso l'Incubatore di imprese ARCA Palermo.

Brevetti

- Autore di 2 brevetti internazionali

Commissioni

- Ha fatto parte di varie commissioni di concorso sul territorio nazionale presso Università e Enti di ricerca. In particolare nel 2016 è stato componente della commissione nazionale del CNR per la selezione di Dirigenti di Ricerca nella Macro Area Scienze Biomediche.